



Powering Possibilities Worldwide

Shore Power Converters | Dock Boost Transformers | Dock Locker Systems



About ASEA Power Systems

ASEA Power Systems stands at the forefront of the marine industry, renowned worldwide for its cutting-edge power conversion equipment tailored exclusively for marine applications. Our shore power conversion and boosting systems are meticulously designed to ensure reliability, durability, and versatility, catering to the unique requirements of every vessel. We have established certified partnerships in all major cruising destinations, guaranteeing seamless installation and service for ASEA products.

Our product lineup spans a power range of 8–1000+ kVA. This diverse range includes shore power converters, dock boost transformers, line voltage regulators, isolation transformers, generator management modules, clean grid converters, and even custom-engineered solutions. We take pride in the exceptional level of customization our products offer, boasting 12 enclosure styles, 3 cooling systems, and over 50 controls, alarms, and communication options.

Recognized for our excellence, ASEA Power Systems was honored with the prestigious 2019 International Boating Industry (IBI) Export Excellence Award at the renowned International Boatbuilders' Exhibition and Conference (IBEX). Our extensive distribution and support network, coupled with an in-depth understanding of distinct market segments across the globe, made ASEA stand out against the competition.

From tranquil island harbors of Southeast Asia to the bustling shipyards of Italy and beyond, ASEA is proud to serve diverse regions worldwide. Our core principles revolve around three pillars:



Global Support Network



Commitment to Safety



Unyielding Reliability



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Headquartered in Costa Mesa, California, Mission Critical Electronics (MCE) provides specialized products for critical systems in a wide variety of applications operating under the leading brands: American Battery Charging, ASEA Power Systems, DuraComm, Kussmaul Electronics, Newmar, Power Products Unlimited, Purkeys, Xantrex, and ZeroRPM. These brands have been built on the strength of their team and their ability to connect with customers. MCE takes great pride in translating their customers' needs into the highest quality products and solutions available in the markets it serves. MCE delivers those products and solutions with unmatched level of responsiveness.

Cover photo courtesy of Custom Line Yachts

ASEA Power Systems is proud of its Global Support Network

Asea Nautica Italy

Asea Nautica was born in the late '90s as a company that represented ASEA Power Systems and is now the largest provider of consulting, installation, and ongoing service of yacht electrical systems in Italy.



"We participate with ASEA products at the onset of each new project. Over the last two decades, ASEA has custom-built many shore power converters for a variety of Italian yacht builders."

Alessandro Ciolfi
Owner & CEO

Meta Yat Ltd. Turkey

Meta Yat was founded in 2000 and has been providing service for ASEA products in Turkey since its inception. Meta Yat is an expert in design, project management and brokerage services globally.



"Over the years, ASEA has backed us up in every way and we back them up in after-sales service in Turkey. Whenever we need help, the technical experts at the ASEA headquarters are there for us!"

Riza Ozluer
Owner

E-Tech Yachting Spain & Portugal

E-Tech Yachting has been an Authorized Service Partner of ASEA Power System serving Spain and Portugal for close to two decades. E-Tech Yachting is the largest marine electrical and electronics specialist in Spain and has worked with over 700 vessels.

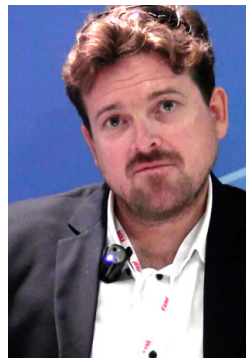


"My partnership with ASEA Power Systems has a long history. I started out as a service engineer for ASEA then I represented them as a service engineer in Spain. Our partnership has spanned over two decades."

Svante Borgenas
CEO

Shore Power Services France & the Middle East

The team at Shore Power Services has been providing yacht power management using ASEA products for over two decades. Shore Power Services delivers creative solutions for complex engineering projects in yachts across France and the Middle East.



"If a customer buys a product and has an issue halfway around the world and can't get support for it, they'll feel let down. ASEA has set up a service network in all major marinas in the world [allowing] for a seamless support experience."

Blake Holloway
Co-Founder

Connect with an authorized service provider near you

Region	Location	Authorized Provider
Asia	Singapore	Tripower
	Thailand	Electrical Marine
Caribbean	Antigua	Marionics
	Dominican Republic	IBC Shipyard
	St Maarten	Electec
Europe	Croatia	Capax
	France	ACTECNA
	France	Shore Power Services FR
	Greece	Motocraft S.A.
	Italy	ASEA Nautica
	Spain	E-Tech Yachting
	Turkey	Meta Yat Ltd.
	United Kingdom	Energy Solutions
Mexico	Mazatlan	Oceanos
Middle East	Dubai	Shore Power Services ME
South America	Brazil	Maritec Servicios Nauticos
South Pacific	Australia	Ocean Electrics
	New Zealand	IMED
United States	California	Reliable Marine
	Florida	Island Marine Electric
	Florida	Ward's Marine Electric
	Rhode Island	Newport Shipyard
	Rhode Island	RC Marine Electric
	Virginia	Marlin Marine

Warranty

ASEA’s warranty terms on shore power converters are eighteen (18) months after shipment or twelve (12) months after commissioning to the purchasing customer. Details on our warranty policy can be found at aseapower.com/warranty.





Safety is our #1 priority

Why do you need an isolation transformer?

Every ASEA shore power converter is equipped with an isolation transformer for a crucial reason: safety. By isolating the ship's power system from the shore power, the risk of fault current flowing through the water and endangering swimming near the vessel is eliminated.

In the absence of an isolation transformer, there exists a direct connection between the earth ground of the dock and the ship's electrical system. This means that

a loose wire on the boat could potentially allow fault current to flow through the ship's hull and into the water, posing a significant threat to anyone in the vicinity. The dangerous current flowing through the water can make swimming in the marina extremely hazardous.

However, with the presence of an isolation transformer, power is transmitted to the boat through the magnetic field in the core, ensuring that there is no direct connection. The shore power earth terminates on the shield of the transformer, establishing a separate ground for the ship. As a result, the two grounds are not interconnected, preventing the flow of fault current between them.

An isolation transformer also addresses another potential hazard known as Polarization. If the hot and cold wires of the shore power supply are accidentally swapped, it could lead to your power switch failing to disconnect the appliance from power. Furthermore, it may cause

the typically grounded case to become energized. In such situations, the magnetic field generated by the transformer core serves as your safeguard, ensuring that swapped wires at the shore do not result in swapped polarity onboard.

An isolation transformer provides the added benefit of protection against galvanic corrosion. Its isolation properties effectively separate the ship's ground from the dock ground, preventing galvanic current from corroding vital components such as sacrificial anodes (or "zincs") and other expensive metal parts of the boat. This protection remains in place even if the neighboring ship is not equipped with an isolation transformer.

That is precisely why each ASEA shore power converter is equipped with an isolation transformer. Naturally, this level of protection is also applied to our Dock Boost Transformers and Dock Locker Systems. We prioritize your safety and ensure that every product we create upholds this principle.



Isolation transformer protects against:



GALVANIC CORROSION



REVERSE POLARIZATION



LEAKY FAULT CURRENT

Reliable Power at Every Dock

Reliability is at the heart of ASEA Power Systems. We pride ourselves on delivering unparalleled reliability, ensuring that our customers have a seamless and secure connection to shore power no matter where their journey takes them. Our products are trusted by yacht owners, marinas, and shipyards worldwide.

We have meticulously designed our products to provide consistent and unwavering performance. Our products incorporate high-quality components and materials, guaranteeing their longevity and durability.

Our commitment to reliability is evident in every aspect of our products' construction. We understand the importance of simplicity and ease of use. Our engineers have worked diligently to create intuitive interfaces with enhanced features such as digital display and remote connectivity.

ASEA's commitment to reliability extends beyond product design, with a global network of certified service partners available to provide technical support and maintenance. From the design and construction of our products to our unwavering customer support, we strive to ensure that our customers can depend on us for a power solution that exceeds their expectations.



Trusted by our many yacht builders

AZIMUT | BENETTI
GROUP



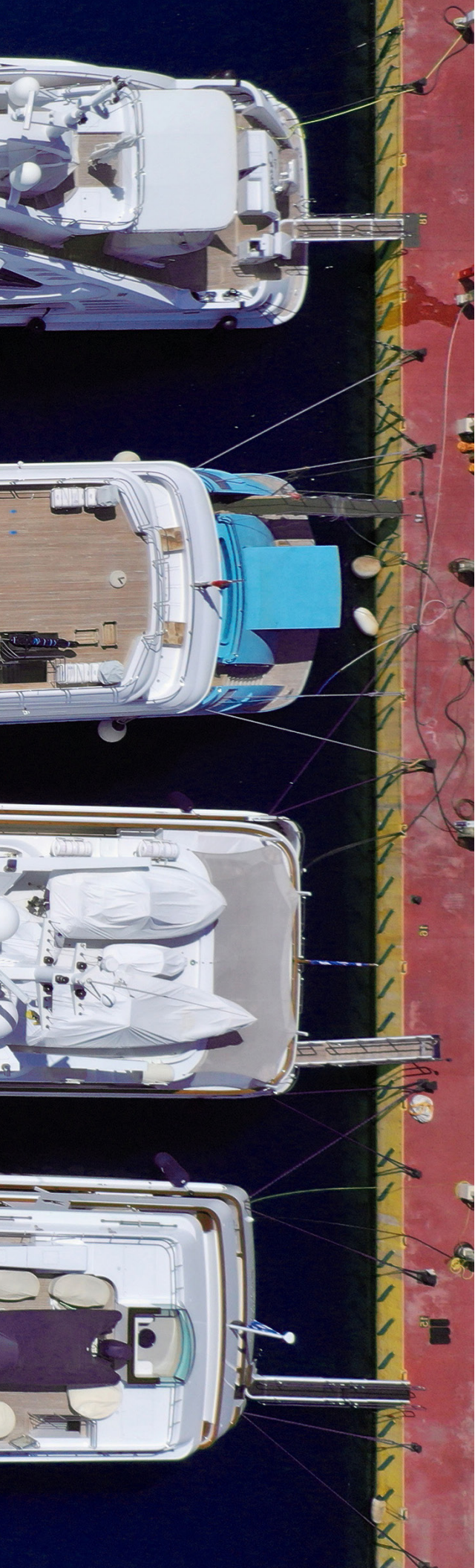
THE ITALIAN SEA GROUP

SIRENA MARINE

SANLORENZO







SHORE POWER CONVERTERS

Our state-of-the-art Shore Power Converters revolutionize the way vessels connect to shore power, delivering unparalleled reliability, efficiency, and adaptability. With exceptional quality and customizable designs, our converters are backed by a global support network for seamless installation and service.

Features

- Convert dock voltage and frequency
- Suppress fast transient events
- Isolate from voltage variations
- Protect against galvanic corrosion
- Complete shore power solution
- Advanced digital displays for convenient monitoring

Benefits

Cost Efficiency

The use of shore power reduces onboard maintenance and energy costs, resulting in significant savings for vessel operators.

Reduced Reliance on Generator

When the yacht is connected to shore power, ASEA Shore Power Converters help to reduce noise in the electrical room creating a less noisy environment.

Galvanic Corrosion Protection

Built-in isolation transformer provides safety and protects against galvanic corrosion.

Improved Environmental Impact

Eliminate emissions and harbor pollution, significantly reducing your vessel's carbon footprint.

SILENT HARBORS, CLEANER SEAS

**Build or refit yachts
with reliable global shore power**



Worldwide
Marina Access



Reduced Noise



Reduced Carbon
Footprint

Reduced generator use means less noise and smaller carbon footprint

- Dock voltage and frequency conversion
- Customizable converter for every design
- Lower operating costs due to reduced generator use
- Protection against galvanic corrosion



AC Series

(8-18 kVA)



Dual Conversion Technology

Precision regulation and minimal harmonic distortion



Stainless Steel Enclosure

Powder coated for ultimate durability and protection



Bulkhead Mounting

Flexibility and ease of installation

The AC Series offers bulkhead mounted systems utilizing dual-conversion technology with a power output of 8-18 kVA. Being systems designed from the ground up specifically for the yachting industry, all efforts have been made to produce a system capable of sustaining the marine environment. All components are packaged in one drip-proof, dust-resistant aluminum and stainless steel enclosure.

In addition to the basic function of power conversion, these converters provide the user with a sophisticated power analysis and monitoring capability. Various displays are selected through a long-life, sealed membrane switch panel. All front panel information such as status and diagnostics are available through the serial port for remote display.

MORE FEATURES

- Auto-restart from shore brownout or blackout
- Conformal coated printed circuit boards
- Front panel display console
- Minimal harmonic distortion
- Reverse polarization prevention
- Galvanic corrosion protection
- Global support network
- Precision regulation

POWER RANGE

8 12 15 18 20 25 30 36 45 50 55 63 75 90 100 110 125 150 165 kVA

COMMONLY INSTALLED ON



CRUISERS (10 to 16 meters)



YACHTS (17 to 23 meters)



SUPERYACHTS (24 to 45 meters)



MEGAYACHTS (46-65 meters)



GIGAYACHTS (66 to 90 meters)

AC Series (8-18 kVA)

Model	AC08	AC081	AC08-3L*	AC08-3H*
Part Number	601000	N/A	N/A	N/A
Input Power Form	Single	Single	Three	Three
Input Voltage	170-520 V	170-520 V	170-260 V	330-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.95 @ rated load	>0.95 @ rated load	>0.95 @ rated load	>0.95 @ rated load
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	8 kVA	8 kVA	8 kVA	8 kVA
Upgradeability	12 kVA	12 kVA	12 kVA	12 kVA
Output Power Form	Split	True Single	Split	Split
Output Voltage	110/220, 115/230, 120/240, 230, 240 V	110, 115, 120 V	110/220, 115/230, 120/240 V	110/220, 115/230, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Efficiency	87% @ rated load	87% @ rated load	87% @ rated load	87% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Bulkhead	Bulkhead	Bulkhead	Bulkhead
Series	AC	AC	AC	AC
Enclosure Style	Standard	Standard	Standard	Standard
Legacy Enclosure	N/A	N/A	N/A	N/A
Weight	104 kg / 229 lbs	104 kg / 229 lbs	104 kg / 229 lbs	104 kg / 229 lbs
Height	50.8 cm / 20.0 in	50.8 cm / 20.0 in	50.8 cm / 20.0 in	50.8 cm / 20.0 in
Width	63.7 cm / 25.1 in	63.7 cm / 25.1 in	63.7 cm / 25.1 in	63.7 cm / 25.1 in
Depth	25.4 cm / 10.0 in	25.4 cm / 10.0 in	25.4 cm / 10.0 in	25.4 cm / 10.0 in

*Non-isolated

AC Series (8-18 kVA)

Model	AC12	AC121	AC12-3L*	AC12-3H*
Part Number	601001	601005	601002	601003
Input Power Form	Single	Single	Three	Three
Input Voltage	170-520 V	170-520 V	170-260 V	330-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.95 @ rated load	>0.95 @ rated load	>0.95 @ rated load	>0.95 @ rated load
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	12 kVA	12 kVA	12 kVA	12 kVA
Upgradeability	N/A	N/A	N/A	N/A
Output Power Form	Split, Single	True Single	Split	Split
Output Voltage	110/220, 115/230, 120/240, 230, 240 V	110, 115, 120 V	110/220, 115/230, 120/240 V	110/220, 115/230, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Efficiency	88% @ rated load	88% @ rated load	88% @ rated load	88% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Bulkhead	Bulkhead	Bulkhead	Bulkhead
Series	AC	AC	AC	AC
Enclosure Style	Standard	Standard	Standard	Standard
Legacy Enclosure	N/A	N/A	N/A	N/A
Weight	104 kg / 229 lbs	104 kg / 229 lbs	104 kg / 229 lbs	104 kg / 229 lbs
Height	50.8 cm / 20.0 in	50.8 cm / 20.0 in	50.8 cm / 20.0 in	50.8 cm / 20.0 in
Width	63.7 cm / 25.1 in	63.7 cm / 25.1 in	63.7 cm / 25.1 in	63.7 cm / 25.1 in
Depth	25.4 cm / 10.0 in	25.4 cm / 10.0 in	25.4 cm / 10.0 in	25.4 cm / 10.0 in

*Non-isolated

AC Series (8-18 kVA)

Model	AC15	AC15-3L*	AC15-3H*
Part Number	603000	603004	603005
Input Power Form	Single	Three	Three
Input Voltage	170-520 V	170-260 V	330-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	0.95 @ rated load	0.95 @ rated load	0.95 @ rated load
Shore Cord Input	Single	Single	Single
Output Power Rating	15 kVA	15 kVA	15 kVA
Upgradeability	18 kVA	18 kVA	18 kVA
Output Power Form	Split	Split	Split
Output Voltage	110/220, 115/230, 120/240, 230, 240 V	110/220, 115/230, 120/240 V	110/220, 115/230, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air
Mounting	Bulkhead	Bulkhead	Bulkhead
Series	AC	AC	AC
Enclosure Style	Standard	Standard	Standard
Legacy Enclosure	N/A	N/A	N/A
Weight	136 kg / 300 lbs	136 kg / 300 lbs	136 kg / 300 lbs
Height	56.9 cm / 22.4 in	56.9 cm / 22.4 in	56.9 cm / 22.4 in
Width	79.0 cm / 31.1 in	79.0 cm / 31.1 in	79.0 cm / 31.1 in
Depth	30.5 cm / 12.0 in	30.5 cm / 12.0 in	30.5 cm / 12.0 in

**Non-isolated*

AC Series (8-18 kVA)

Model	AC18	AC18-3L*	AC18-3H*
Part Number	603001	603002	603003
Input Power Form	Single	Three	Three
Input Voltage	170-520 V	170-260 V	330-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	0.95 @ rated load	0.95 @ rated load	0.95 @ rated load
Shore Cord Input	Single	Single	Single
Output Power Rating	18 kVA	18 kVA	18 kVA
Upgradeability	N/A	N/A	N/A
Output Power Form	Split	Split	Split
Output Voltage	110/220, 115/230, 120/240, 230, 240 V	110/220, 115/230, 120/240 V	110/220, 115/230, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air
Mounting	Bulkhead	Bulkhead	Bulkhead
Series	AC	AC	AC
Enclosure Style	Standard	Standard	Standard
Legacy Enclosure	N/A	N/A	N/A
Weight	136 kg / 300 lbs	136 kg / 300 lbs	136 kg / 300 lbs
Height	56.9 cm / 22.4 in	56.9 cm / 22.4 in	56.9 cm / 22.4 in
Width	79.0 cm / 31.1 in	79.0 cm / 31.1 in	79.0 cm / 31.1 in
Depth	30.5 cm / 12.0 in	30.5 cm / 12.0 in	30.5 cm / 12.0 in

*Non-isolated

AC Series (8-18 kVA)

OUTPUT CURRENT

Output Form	8 kVA	12 kVA	15 kVA	18 kVA
1 Ø, 110 V	73 A	110 A	137 A	164 A
1 Ø, 115 V	70 A	105 A	131 A	157 A
1 Ø, 120 V	67 A	100 A	125 A	150 A
1 Ø, 220 V	37 A	55 A	69 A	82 A
1 Ø, 230 V	35 A	53 A	66 A	79 A
1 Ø, 240 V	34 A	50 A	63 A	75 A
2 Ø, 110/220 V	37 A	55 A	69 A	82 A
2 Ø, 115/230 V	35 A	53 A	66 A	79 A
2 Ø, 120/240 V	34 A	50 A	63 A	75 A



Standard Series

(24–100 kVA)



Multiple Enclosure Styles

Customizable to fit most available spaces



Dual Conversion Technology

Precision regulation and minimal harmonic distortion



Stainless Steel & Aluminum

Power coated for ultimate durability and protection

The Standard Series is customizable to fit virtually any space. Enclosure options include two-piece, wall hugger, and foot locker variations. Made from stainless steel, the unit is durable, reliable, and less susceptible to electromagnetic interference. Every unit is equipped with an isolation transformer to protect against galvanic corrosion, polarization, and fault current electrocution.

In addition to the basic function of power conversion, these converters provide the user with a sophisticated power analysis and monitoring capability. Various displays are selected through a long-life, sealed membrane switch panel. All front panel information is available through the serial port for remote display, status, and diagnostics.

MORE FEATURES

- Auto-Restart from shore brownout or blackout
- Conformal coated printed circuit boards
- Front panel display console
- Minimal harmonic distortion
- Reverse polarization prevention
- Galvanic corrosion protection
- Global support network
- Precision regulation

POWER RANGE

8 12 15 18 20 25 30 36 45 50 55 63 75 90 100 110 125 150 165 kVA

COMMONLY INSTALLED ON



CRUISERS (10 to 16 meters)



YACHTS (17 to 23 meters)



SUPERYACHTS (24 to 45 meters)



MEGAYACHTS (46-65 meters)



GIGAYACHTS (66 to 90 meters)

Standard Series (24-100 kVA)

Model	AC24 DSC (Dual Shore Cord)	AC30 DSC (Dual Shore Cord)	AC36 DSC (Dual Shore Cord)
Part Number	607784	607785	607786
Input Power Form	Single	Single	Single
Input Voltage	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard
Shore Cord Input	Dual	Dual	Dual
Output Power Rating	24 kVA	24 kVA	24 kVA
Output Power Form	Single, Split	Single, Split	Single, Split
Upgradeability	30 or 36 kVA	30 or 36 kVA	30 or 36 kVA
Output Voltage	220, 230, 240, 110/220, 115/230, 120/240 V	220, 230, 240, 110/220, 115/230, 120/240 V	220, 230, 240, 110/220, 115/230, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air
Mounting	Floor	Floor	Floor
Series	Standard	Standard	Standard
Enclosure Style	Standard	Standard	Standard
Legacy Enclosure	F	F	F
Weight	275 kg / 606 lbs	285 kg / 628 lbs	285 kg / 628 lbs
Height	104.0 cm / 40.9 in	104.0 cm / 40.9 in	104.0 cm / 40.9 in
Width	45.7 cm / 18.0 in	45.7 cm / 18.0 in	45.7 cm / 18.0 in
Depth	76.8 cm / 30.2 in	76.8 cm / 30.2 in	76.8 cm / 30.2 in

Standard Series (24-100 kVA)

Model	AC24TP DSC (Dual Shore Cord)	AC30TP DSC (Dual Shore Cord)	AC36TP DSC (Dual Shore Cord)
Part Number	607582	607583	607584
Input Power Form	Single	Single	Single
Input Voltage	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard
Shore Cord Input	Dual	Dual	Dual
Output Power Rating	24 kVA	24 kVA	24 kVA
Output Power Form	Single, Split	Single, Split	Single, Split
Upgradeability	30 or 36 kVA	30 or 36 kVA	30 or 36 kVA
Output Voltage	220, 230, 240, 110/220, 115/230, 120/240 V	220, 230, 240, 110/220, 115/230, 120/240 V	220, 230, 240, 110/220, 115/230, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	100 A @ 0.85 p.f.	100 A @ 0.85 p.f.	100 A @ 0.85 p.f.
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air
Mounting	Floor	Floor	Floor
Series	Standard	Standard	Standard
Enclosure Style	Two-Piece	Two-Piece	Two-Piece
Legacy Enclosure	O	O	O
Weight	128, 163 kg / 282, 360 lbs	128, 163 kg / 282, 360 lbs	128, 163 kg / 282, 360 lbs
Height	61.0, 37.1 cm / 24.0, 14.6 in	61.0, 37.1 cm / 24.0, 14.6 in	61.0, 37.1 cm / 24.0, 14.6 in
Width	61.0, 43.2 cm / 24.0, 17.0 in	61.0, 43.2 cm / 24.0, 17.0 in	61.0, 43.2 cm / 24.0, 17.0 in
Depth	61.0, 64.8 cm / 24.0, 25.5 in	61.0, 64.8 cm / 24.0, 25.5 in	61.0, 64.8 cm / 24.0, 25.5 in

Standard Series (24-100 kVA)

Model	AC25-1	AC25TP-1	AC25FL-1	AC25WH-1
Part Number	607525	607570	632521	604539
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	25 kVA	25 kVA	25 kVA	25 kVA
Output Power Form	Single, Split	Single, Split	Single, Split	Single, Split
Upgradeability	30 or 36 kVA	30 or 36 kVA	30 or 36 kVA	30 or 36 kVA
Output Voltage	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Standard	Standard	Standard	Standard
Enclosure Style	Standard	Two-Piece	Foot Locker	Wall Hugger
Legacy Enclosure	F	O	FL	N
Weight	323 kg / 712 lbs	139, 191 kg / 306, 421 lbs	315 kg / 694 lbs	333 kg / 734 lbs
Height	104.0 cm / 40.9 in	61.0, 37.1 cm / 24.0, 14.6 in	61.0 cm / 24.0 in	151.5 cm / 59.6 in
Width	45.7 cm / 18.0 in	61.0, 43.2 cm / 24.0, 17.0 in	92.4 cm / 36.4 in	151.9 cm / 59.8 in
Depth	76.8 cm / 30.2 in	61.0, 64.8 cm / 24.0, 25.5 in	64.7 cm / 25.5 in	25.4 cm / 10.0 in

Standard Series (24-100 kVA)

Model	AC25-3	AC25TP-3	AC25FL-3	AC25WH-3
Part Number	607521	607573	632524	Contact Us
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	25 kVA	25 kVA	25 kVA	25 kVA
Output Power Form	Three	Three	Three	Three
Upgradeability	30 or 36 kVA	30 or 36 kVA	30 or 36 kVA	30 or 36 kVA
Output Voltage	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Standard	Standard	Standard	Standard
Enclosure Style	Standard	Two-Piece	Foot Locker	Wall Hugger
Legacy Enclosure	F	O	FL	N
Weight	323 kg / 712 lbs	139, 191 kg / 306, 421 lbs	315 kg / 694 lbs	333 kg / 734 lbs
Height	104.0 cm / 40.9 in	61.0, 37.1 cm / 24.0, 14.6 in	61.0 cm / 24.0 in	151.5 cm / 59.6 in
Width	45.7 cm / 18.0 in	61.0, 43.2 cm / 24.0, 17.0 in	92.4 cm / 36.4 in	151.9 cm / 59.8 in
Depth	76.8 cm / 30.2 in	61.0, 64.8 cm / 24.0, 25.5 in	64.7 cm / 25.5 in	25.4 cm / 10.0 in

Standard Series (24-100 kVA)

Model	AC30-1	AC30TP-1	AC30FL-1	AC30WH-1
Part Number	607526	607571	632522	N/A
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	30 kVA	30 kVA	30 kVA	30 kVA
Output Power Form	Single, Split	Single, Split	Single, Split	Single, Split
Upgradeability	36 kVA	36 kVA	36 kVA	36 kVA
Output Voltage	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Standard	Standard	Standard	Standard
Enclosure Style	Standard	Two-Piece	Foot Locker	Wall Hugger
Legacy Enclosure	F	O	FL	N
Weight	323 kg / 712 lbs	139, 191 kg / 306, 421 lbs	315 kg / 694 lbs	333 kg / 734 lbs
Height	104.0 cm / 40.9 in	61.0, 37.1 cm / 24.0, 14.6 in	61.0 cm / 24.0 in	151.5 cm / 59.6 in
Width	45.7 cm / 18.0 in	61.0, 43.2 cm / 24.0, 17.0 in	92.4 cm / 36.4 in	151.9 cm / 59.8 in
Depth	76.8 cm / 30.2 in	61.0, 64.8 cm / 24.0, 25.5 in	64.7 cm / 25.5 in	25.4 cm / 10.0 in

Standard Series (24-100 kVA)

Model	AC30-3	AC30TP-3	AC30FL-3	AC30WH-3
Part Number	607522	607574	632525	contact us
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	30 kVA	30 kVA	30 kVA	30 kVA
Output Power Form	Three	Three	Three	Three
Upgradeability	36 kVA	36 kVA	36 kVA	36 kVA
Output Voltage	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Standard	Standard	Standard	Standard
Enclosure Style	Standard	Two-Piece	Foot Locker	Wall Hugger
Legacy Enclosure	F	O	FL	N
Weight	323 kg / 712 lbs	139, 191 kg / 306, 421 lbs	315 kg / 694 lbs	333 kg / 734 lbs
Height	104.0 cm / 40.9 in	61.0, 37.1 cm / 24.0, 14.6 in	61.0 cm / 24.0 in	151.5 cm / 59.6 in
Width	45.7 cm / 18.0 in	61.0, 43.2 cm / 24.0, 17.0 in	92.4 cm / 36.4 in	151.9 cm / 59.8 in
Depth	76.8 cm / 30.2 in	61.0, 64.8 cm / 24.0, 25.5 in	64.7 cm / 25.5 in	25.4 cm / 10.0 in

Standard Series (24-100 kVA)

Model	AC36-1	AC36TP-1	AC36FL-1	AC36WH-1
Part Number	607541	607572	632523	604544
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	36 kVA	36 kVA	36 kVA	36 kVA
Output Power Form	Single, Split	Single, Split	Single, Split	Single, Split
Upgradeability	N/A	N/A	N/A	N/A
Output Voltage	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Standard	Standard	Standard	Standard
Enclosure Style	Standard	Two-Piece	Foot Locker	Wall Hugger
Legacy Enclosure	F	O	FL	N
Weight	323 kg / 712 lbs	139, 191 kg / 306, 421 lbs	315 kg / 694 lbs	333 kg / 734 lbs
Height	104.0 cm / 40.9 in	61.0, 37.1 cm / 24.0, 14.6 in	61.0 cm / 24.0 in	151.5 cm / 59.6 in
Width	45.7 cm / 18.0 in	61.0, 43.2 cm / 24.0, 17.0 in	92.4 cm / 36.4 in	151.9 cm / 59.8 in
Depth	76.8 cm / 30.2 in	61.0, 64.8 cm / 24.0, 25.5 in	64.7 cm / 25.5 in	25.4 cm / 10.0 in

Standard Series (24-100 kVA)

Model	AC36-3	AC36TP-3	AC36FL-3	AC36WH-3
Part Number	607542	607575	632526	604557
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	36 kVA	36 kVA	36 kVA	36 kVA
Output Power Form	Three	Three	Three	Three
Upgradeability	N/A	N/A	N/A	N/A
Output Voltage	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Standard	Standard	Standard	Standard
Enclosure Style	Standard	Two-Piece	Foot Locker	Wall Hugger
Legacy Enclosure	F	O	FL	N
Weight	323 kg / 712 lbs	139, 191 kg / 306, 421 lbs	315 kg / 694 lbs	333 kg / 734 lbs
Height	104.0 cm / 40.9 in	61.0, 37.1 cm / 24.0, 14.6 in	61.0 cm / 24.0 in	151.5 cm / 59.6 in
Width	45.7 cm / 18.0 in	61.0, 43.2 cm / 24.0, 17.0 in	92.4 cm / 36.4 in	151.9 cm / 59.8 in
Depth	76.8 cm / 30.2 in	61.0, 64.8 cm / 24.0, 25.5 in	64.7 cm / 25.5 in	25.4 cm / 10.0 in

Standard Series (24-100 kVA)

Model	AC45-1	AC45WH-1	AC45-3	AC45WH-3
Part Number	604515	604545	604512	604553
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	45 kVA	45 kVA	45 kVA	45 kVA
Output Power Form	Single, Split	Single, Split	Single, Split	Single, Split
Upgradeability	54 kVA	54 kVA	54 kVA	54 kVA
Output Voltage	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Standard	Standard	Standard	Standard
Enclosure Style	Standard	Wall Hugger	Standard	Wall Hugger
Legacy Enclosure	D	N	D	N
Weight	386 kg / 851 lbs	404 kg / 891 lbs	386 kg / 851 lbs	404 kg / 891 lbs
Height	104.1 cm / 41.0 in	151.5 cm / 59.6 in	104.1 cm / 41.0 in	151.5 cm / 59.6 in
Width	60.7 cm / 23.9 in	151.9 cm / 59.8 in	60.7 cm / 23.9 in	151.9 cm / 59.8 in
Depth	76.8 cm / 30.2 in	25.4 cm / 10 in	76.8 cm / 30.2 in	25.4 cm / 10 in

Standard Series (24-100 kVA)

Model	AC54-1	AC54WH-1	AC54-3	AC54WH-3
Part Number	604516	604546	604513	604569
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	54 kVA	54 kVA	54 kVA	54 kVA
Output Power Form	Single, Split	Single, Split	Three	Three
Upgradeability	N/A	N/A	N/A	N/A
Output Voltage	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Standard	Standard	Standard	Standard
Enclosure Style	Standard	Wall Hugger	Standard	Wall Hugger
Legacy Enclosure	D	N	D	N
Weight	404 kg / 891 lbs	404 kg / 891 lbs	404 kg / 891 lbs	404 kg / 891 lbs
Height	104.1 cm / 41.0 in	151.5 cm / 59.6 in	104.1 cm / 41.0 in	151.5 cm / 59.6 in
Width	60.7 cm / 23.9 in	151.9 cm / 59.8 in	60.7 cm / 23.9 in	151.9 cm / 59.8 in
Depth	76.8 cm / 30.2 in	25.4 cm / 10 in	76.8 cm / 30.2 in	25.4 cm / 10 in

Standard Series (24-100 kVA)

Model	AC55-3	AC63-3	AC75-3	AC90-3	AC100-3
Part Number	contact us	contact us	605511	605512	605517
Input Power Form	Three	Three	Three	Three	Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.96 @ rated load	>0.96 @ rated load	>0.96 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single	Single
Output Power Rating	55 kVA	63 kVA	75 kVA	90 kVA	100 kVA
Output Power Form	Three	Three	Three	Three	Three
Upgradeability	63 or 75 kVA	75 kVA	N/A	100 kVA	N/A
Output Voltage	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	93% @ rated load	93% @ rated load
Cooling	Air	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor	Floor
Series	Standard	Standard	Standard	Standard	Standard
Enclosure Style	Standard	Standard	Standard	Standard	Standard
Legacy Enclosure	E	E	E	G	G
Weight	563 kg / 1241 lbs	563 kg / 1241 lbs	563 kg / 1241 lbs	635 kg / 1400 lbs	635 kg / 1400 lbs
Height	127.0 cm / 50.0 in	127.0 cm / 50.0 in	127.0 cm / 50.0 in	127.0 cm / 50.0 in	127.0 cm / 50.0 in
Width	60.6 cm / 23.9 in	60.6 cm / 23.9 in	60.6 cm / 23.9 in	60.6 cm / 23.9 in	60.6 cm / 23.9 in
Depth	76.8 cm / 30.2 in	76.8 cm / 30.2 in	76.8 cm / 30.2 in	76.8 cm / 30.2 in	76.8 cm / 30.2 in

Standard Series (24-100 kVA)

OUTPUT CURRENT

Output Form	25 kVA	30 kVA	36 kVA	45 kVA	54 kVA
1 Ø, 220 V	114 A/Ø	136 A/Ø	164 A/Ø	205 A/Ø	245 A/Ø
1 Ø, 230 V	109 A/Ø	130 A/Ø	157 A/Ø	196 A/Ø	235 A/Ø
1 Ø, 240 V	104 A/Ø	125 A/Ø	150 A/Ø	187 A/Ø	225 A/Ø
2 Ø, 120/240 V	104 A/Ø	125 A/Ø	150 A/Ø	187 A/Ø	225 A/Ø
3 Ø, 120/208 V	70 A/Ø	83 A/Ø	100 A/Ø	125 A/Ø	150 A/Ø
3 Ø, 127/220 V	66 A/Ø	79 A/Ø	94 A/Ø	118 A/Ø	142 A/Ø
3 Ø, 220/380 V	38 A/Ø	45 A/Ø	55 A/Ø	68 A/Ø	81 A/Ø
3 Ø, 230/400 V	36 A/Ø	43 A/Ø	52 A/Ø	65 A/Ø	78 A/Ø
3 Ø, 240/416 V	35 A/Ø	42 A/Ø	50 A/Ø	63 A/Ø	75 A/Ø
3 Ø, 254/440 V	-	-	-	59 A/Ø	71 A/Ø

Output Form	55 kVA	63 kVA	75 kVA	90 kVA	100 kVA
1 Ø, 220 V	-	-	-	-	-
1 Ø, 230 V	-	-	-	-	-
1 Ø, 240 V	-	-	-	-	-
2 Ø, 120/240 V	-	-	-	-	-
3 Ø, 120/208 V	153 A/Ø	171 A/Ø	209 A/Ø	250 A/Ø	278 A/Ø
3 Ø, 127/220 V	144 A/Ø	166 A/Ø	197 A/Ø	237 A/Ø	263 A/Ø
3 Ø, 220/380 V	84 A/Ø	96 A/Ø	114 A/Ø	136 A/Ø	156 A/Ø
3 Ø, 230/400 V	80 A/Ø	92 A/Ø	109 A/Ø	131 A/Ø	145 A/Ø
3 Ø, 240/416 V	76 A/Ø	87 A/Ø	104 A/Ø	125 A/Ø	139 A/Ø
3 Ø, 254/440 V	72 A/Ø	82 A/Ø	98 A/Ø	118 A/Ø	131 A/Ø



NV Model

Vertical Series

(25–165 kVA)



Convertible Cooling System

Utilize fans for air cooling or a heat exchanger system



Slim & Compact Enclosure

Ideal for tight spaces with minimal horizontal space



Stainless Steel & Aluminum

Powder coated for ultimate durability and protection

The Vertical Series V and V2 models feature a slim, narrow design and house the same reliable technology found in the Standard Series. The NV models feature ASEA's latest technology which allows for reduced capacity mode should one module become unavailable.

The Vertical Series is the only product line with a convertible cooling system. These converters come Standard with an Air-cooled system but can be ordered with or field modified to be cooled with a heat exchanger to utilize the vessel's chilled water system.

MORE FEATURES

- Auto-Restart from shore brownout or blackout
- Conformal coated printed circuit boards
- Front panel display console
- Minimal harmonic distortion
- Reverse polarization prevention
- Galvanic corrosion protection
- Global support network
- Precision regulation

POWER RANGE

8 12 15 18 20 25 30 36 45 50 55 63 75 90 100 110 125 150 165

kVA

COMMONLY INSTALLED ON



CRUISERS (10 to 16 meters)



YACHTS (17 to 23 meters)



SUPERYACHTS (24 to 45 meters)



MEGAYACHTS (46-65 meters)



GIGAYACHTS (66 to 90 meters)

Vertical Series (25-165 kVA)

Model	AC25VII-1	AC25VII-3	AC30VII-1	AC30VII-3	AC36VII-1	AC36VII-3
Part Number	607516	607517	607518	607519	607537	607538
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load	>0.99 @ rated load
Auto Restart	Standard	Standard	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single	Single	Single
Output Power Rating	25 kVA	25 kVA	30 kVA	30 kVA	36 kVA	36 kVA
Output Power Form	Single, Split	Three	Single, Split	Three	Single, Split	Three
Upgradeability	30 or 36 kVA	30 or 36 kVA	36 kVA	36 kVA	N/A	N/A
Output Voltage	220 or 230, 120/240 V	120/208, 127/220, 220/380, 230/400, or 240/416 V	220 or 230, 120/240 V	120/208, 127/220, 220/380, 230/400, or 240/416 V	220 or 230, 120/240 V	120/208, 127/220, 220/380, 230/400, or 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor	Floor	Floor
Series	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Enclosure Style	Standard	Standard	Standard	Standard	Standard	Standard
Legacy Enclosure	L	L	L	L	L	L
Weight	261 kg / 575 lbs	261 kg / 575 lbs	268 kg / 591 lbs	268 kg / 591 lbs	284 kg / 626 lbs	284 kg / 626 lbs
Height	162.0 cm / 63.8 in	162.0 cm / 63.8 in	162.0 cm / 63.8 in	162.0 cm / 63.8 in	162.0 cm / 63.8 in	162.0 cm / 63.8 in
Width	45.7 cm / 18.0 in	45.7 cm / 18.0 in	45.7 cm / 18.0 in	45.7 cm / 18.0 in	45.7 cm / 18.0 in	45.7 cm / 18.0 in
Depth	53.3 cm / 21.0 in	53.3 cm / 21.0 in	53.3 cm / 21.0 in	53.3 cm / 21.0 in	53.3 cm / 21.0 in	53.3 cm / 21.0 in

Vertical Series (25-165 kVA)

Model	AC36V-1	AC36VHE-1	AC36V-3	AC36VHE-3	AC36NV-3	AC36NVHE-3
Part Number	604470	604482	604517	604485	631185	631201
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three	Three	Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single	Single	Single
Output Power Rating	36 kVA	36 kVA	36 kVA	36 kVA	36 kVA	36 kVA
Output Power Form	Single, Split	Single, Split	Three	Three	Three	Three
Upgradeability	45 or 54 kVA	45 or 54 kVA	45 or 54 kVA	45 or 54 kVA	45 or 50 kVA	45 or 50 kVA
Output Voltage	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load	93% @ rated load	93% @ rated load
Cooling	Air	Heat Exchanger	Air	Heat Exchanger	Air	Heat Exchanger
Mounting	Floor	Floor	Floor	Floor	Floor	Floor
Series	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Enclosure Style	Standard	Standard	Standard	Standard	Standard	Standard
Legacy Enclosure	L	L	I	I	I	I
Weight	381 kg / 840 lbs	381 kg / 840 lbs	381 kg / 840 lbs	381 kg / 840 lbs	325 kg / 717 lbs	357 kg / 787 lbs
Height	142.6 cm / 56.1 in	142.6 cm / 56.1 in	142.6 cm / 56.1 in	142.6 cm / 56.1 in	154.0 cm / 60.6 in	155.6 cm / 61.3 in
Width	63.5 cm / 25 in	64.0 cm / 25.2 in	63.5 cm / 25 in	64.0 cm / 25.2 in	40.6 cm / 16.0 in	40.6 cm / 16.0 in
Depth	50.8 cm / 20 in	63.5 cm / 25 in	50.8 cm / 20 in	63.5 cm / 25 in	40.6 cm / 16.0 in	40.6 cm / 16.0 in

Vertical Series (25-165 kVA)

Model	AC45V-1	AC45VHE-1	AC45V-3	AC45VHE-3	AC45NV-3	AC45NVHE-3
Part Number	604471	604483	604518	604486	631187	631203
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three	Three	Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single	Single	Single
Output Power Rating	45 kVA	45 kVA	45 kVA	45 kVA	45 kVA	45 kVA
Output Power Form	Single, Split	Single, Split	Three	Three	Three	Three
Upgradeability	54 kVA	54 kVA	54 kVA	54 kVA	50 kVA	50 kVA
Output Voltage	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load	93% @ rated load	93% @ rated load
Cooling	Air	heat exchanger	Air	heat exchanger	Air	heat exchanger
Mounting	Floor	Floor	Floor	Floor	Floor	Floor
Series	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Enclosure Style	Standard	Standard	Standard	Standard	Standard	Standard
Legacy Enclosure	I	I	I	I	NV	NV
Weight	381 kg / 840 lbs	381 kg / 840 lbs	381 kg / 840 lbs	381 kg / 840 lbs	325 kg / 717 lbs	357 kg / 787 lbs
Height	142.6 cm / 56.1 in	142.6 cm / 56.1 in	142.6 cm / 56.1 in	142.6 cm / 56.1 in	154.0 cm / 60.6 in	155.6 cm / 61.3 in
Width	63.5 cm / 25 in	64.0 cm / 25.2 in	63.5 cm / 25 in	64.0 cm / 25.2 in	40.6 cm / 16.0 in	40.6 cm / 16.0 in
Depth	50.8 cm / 20 in	63.5 cm / 25 in	50.8 cm / 20 in	63.5 cm / 25 in	40.6 cm / 16.0 in	40.6 cm / 16.0 in

Vertical Series (25-165 kVA)

Model	AC54V-1	AC54VHE-1	AC54V-3	AC54VHE-3
Part Number	604472	604484	604519	604487
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	54 kVA	54 kVA	54 kVA	54 kVA
Output Power Form	Single, Split	Single, Split	Three	Three
Upgradeability	N/A	N/A	N/A	N/A
Output Voltage	220, 230, 240, 120/240 V	220, 230, 240, 120/240 V	120/208, 127/220, 220/380, 230/400, 240/416, 254/440 V	120/208, 127/220, 220/380, 230/400, 240/416, 254/440 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Heat Exchanger	Air	Heat Exchanger
Mounting	Floor	Floor	Floor	Floor
Series	Vertical	Vertical	Vertical	Vertical
Enclosure Style	Standard	Standard	Standard	Standard
Legacy Enclosure	I	I	I	I
Weight	381 kg / 840 lbs	381 kg / 840 lbs	381 kg / 840 lbs	381 kg / 840 lbs
Height	142.6 cm / 56.1 in	142.6 cm / 56.1 in	142.6 cm / 56.1 in	142.6 cm / 56.1 in
Width	63.5 cm / 25 in	64.0 cm / 25.2 in	63.5 cm / 25 in	64.0 cm / 25.2 in
Depth	50.8 cm / 20 in	63.5 cm / 25 in	50.8 cm / 20 in	63.5 cm / 25 in

Vertical Series (25-165 kVA)

Model	AC50NV-3	AC50NVHE-3	AC63NV-3	AC63NVHE-3	AC75NV-3	AC75NVHE-3
Part Number	631189	631205	625037	625055	625039	625057
Input Power Form	Three	Three	Three	Three	Three	Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Shore Cord Input	Standard	Standard	Standard	Standard	Standard	Standard
Output Power Rating	Single	Single	Single	Single	Single	Single
Upgradeability	50 kVA	50 kVA	63 kVA	63 kVA	75 kVA	75 kVA
Output Power Form	Three	Three	Three	Three	Three	Three
Upgradeability	N/A	N/A	75 kVA	75 kVA	N/A	N/A
Output Voltage	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below	See table below	See table below
Efficiency	93% @ rated load	93% @ rated load	93% @ rated load	93% @ rated load	93% @ rated load	93% @ rated load
Cooling	Air	heat exchanger	Air	heat exchanger	Air	heat exchanger
Mounting	Floor	Floor	Floor	Floor	Floor	Floor
Series	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Enclosure Style	Standard	Standard	Standard	Standard	Standard	Standard
Legacy Enclosure	NV	NV	NV	NV	NV	NV
Weight	325 kg / 717 lbs	357 kg / 787 lbs	510 kg / 1124 lbs	547 kg / 1206 lbs	510 kg / 1124 lbs	547 kg / 1206 lbs
Height	154.0 cm / 60.6 in	155.6 cm / 61.3 in	166.0 cm / 65.4 in	165.7 cm / 65.2 in	166.0 cm / 65.4 in	165.7 cm / 65.2 in
Width	40.6 cm / 16.0 in	40.6 cm / 16.0 in	63.5 cm / 25.0 in	63.0 cm / 24.8 in	63.5 cm / 25.0 in	63.0 cm / 24.8 in
Depth	53.3 cm / 21.0 in	72.7 cm / 28.6 in	63.5 cm / 25.0 in	64.2 cm / 25.3 in	63.5 cm / 25.0 in	64.2 cm / 25.3 in

Vertical Series (25-165 kVA)

Model	AC90V-3	AC90VHE-3	AC100V-3	AC100VHE-3	AC125V-3	AC125VHE-3
Part Number	605962	605896	605963	605960	605964	605956
Input Power Form	Three	Three	Three	Three	Three	Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V	330-520 V	330-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single	Single	Single
Output Power Rating	90 kVA	90 kVA	100 kVA	100 kVA	125 kVA	125 kVA
Output Power Form	Three	Three	Three	Three	Three	Three
Upgradeability	100 kVA	100 kVA	N/A	N/A	N/A	N/A
Output Voltage	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V	220/380, 230/400, 240/416 V	220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below	See table below	See table below
Efficiency	93% @ rated load	93% @ rated load	93% @ rated load	93% @ rated load	94% @ rated load	94% @ rated load
Cooling	Air	Heat Exchanger	Air	Heat Exchanger	Air	Heat Exchanger
Mounting	Floor	Floor	Floor	Floor	Floor	Floor
Series	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Enclosure Style	Standard	Standard	Standard	Standard	Standard	Standard
Legacy Enclosure	R	R	R	R	R	R
Weight	635 kg / 1400 lbs	635 kg / 1400 lbs	635 kg / 1400 lbs	635 kg / 1400 lbs	795kg / 1753 lbs	828 kg / 1825 lbs
Height	165.0 cm / 65.0 in	165.0 cm / 65.0 in	165.0 cm / 65.0 in	165.0 cm / 65.0 in	165.0 cm / 65.0 in	166.0 cm / 65.4 in
Width	63.5 cm / 25.0 in	63.5 cm / 25.0 in	63.5 cm / 25.0 in	63.5 cm / 25.0 in	63.5 cm / 25.0 in	63.5 cm / 25.0 in
Depth	58.4 cm / 23.0 in	71.1 cm / 28.0 in	58.4 cm / 23.0 in	71.1 cm / 28.0 in	58.4 cm / 23.0 in	71.1 cm / 28.0 in

Vertical Series (25-165 kVA)

Model	AC125NV-3	AC125NVHE-3	AC150NVHE-3	AC165NVHE-3
Part Number	624511	624512	624516	N/A
Input Power Form	Three	Three	Three	Three
Input Voltage	330-520 V	330-520 V	330-520 V	330-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	125 kVA	125 kVA	150 kVA	165 kVA
Output Power Form	Three	Three	Three	Three
Upgradeability	150 kVA	150 kVA	N/A	N/A
Output Voltage	220/380, 230/400, 240/416 V	220/380, 230/400, 240/416 V	220/380, 230/400, 240/416 V	220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	94% @ rated load	94% @ rated load	94% @ rated load	94% @ rated load
Cooling	Air	Heat Exchanger	Heat Exchanger	Heat Exchanger
Mounting	Floor	Floor	Floor	Floor
Series	Vertical	Vertical	Vertical	Vertical
Enclosure Style	Standard	Standard	Standard	Standard
Legacy Enclosure	NV	NV	NV	NV
Weight	829 kg / 1828 lbs	861 kg / 1898 lbs	861 kg / 1898 lbs	N/A
Height	172.0 cm / 67.7 in	172.0 cm / 67.7 in	172.0 cm / 67.7 in	170.7 cm / 67.2 in
Width	68.6 cm / 27.0 in	72.9 cm / 28.7 in	72.9 cm / 28.7 in	92.5 cm / 36.4 in
Depth	63.5 cm / 25.0 in	76.5 cm / 30.1 in	76.5 cm / 30.1 in	90.2 cm / 35.5 in

Vertical Series (25-165 kVA)

OUTPUT CURRENT - NV MODELS

Output Form	AC36NV-3	AC45NV-3	AC50NV-3	AC63NV-3	AC75NV-3	AC125NV-3	AC150NV-3	AC165NV-3
3 Ø, 277/480 V	43 A/Ø	54 A/Ø	35 A/Ø	76 A/Ø	90 A/Ø	150 A/Ø	-	-
3 Ø, 254/440 V	47 A/Ø	59 A/Ø	66 A/Ø	83 A/Ø	98 A/Ø	164 A/Ø	197 A/Ø	217 A/Ø
3 Ø, 240/416 V	50 A/Ø	63 A/Ø	69 A/Ø	88 A/Ø	104 A/Ø	174 A/Ø	208 A/Ø	229 A/Ø
3 Ø, 230/400 V	52 A/Ø	65 A/Ø	72 A/Ø	91 A/Ø	109 A/Ø	181 A/Ø	217 A/Ø	239 A/Ø
3 Ø, 220/380 V	55 A/Ø	68 A/Ø	76 A/Ø	95 A/Ø	114 A/Ø	189 A/Ø	228 A/Ø	250 A/Ø
3 Ø, 127/220 V	94 A/Ø	118 A/Ø	131 A/Ø	165 A/Ø	197 A/Ø	-	-	-
3 Ø, 120/208 V	100 A/Ø	125 A/Ø	139 A/Ø	175 A/Ø	209 A/Ø	-	-	-

OUTPUT CURRENT - V & V2 MODELS

Output Form	25 kVA	30 kVA	36 kVA	45 kVA	54 kVA	90 kVA	100 kVA
1 Ø, 220 V	114 A/Ø	136 A/Ø	164 A/Ø	205 A/Ø	245 A/Ø	-	-
1 Ø, 230 V	109 A/Ø	130 A/Ø	157 A/Ø	196 A/Ø	235 A/Ø	-	-
1 Ø, 240 V	104 A/Ø	125 A/Ø	150 A/Ø	187 A/Ø	225 A/Ø	-	-
2 Ø, 120/240 V	104 A/Ø	125 A/Ø	150 A/Ø	187 A/Ø	225 A/Ø	-	-
3 Ø, 120/208 V	70 A/Ø	83 A/Ø	100 A/Ø	125 A/Ø	150 A/Ø	250 A/Ø	278 A/Ø
3 Ø, 127/220 V	66 A/Ø	79 A/Ø	94 A/Ø	118 A/Ø	142 A/Ø	237 A/Ø	263 A/Ø
3 Ø, 220/380 V	38 A/Ø	45 A/Ø	55 A/Ø	68 A/Ø	81 A/Ø	136 A/Ø	156 A/Ø
3 Ø, 230/400 V	36 A/Ø	43 A/Ø	52 A/Ø	65 A/Ø	78 A/Ø	131 A/Ø	145 A/Ø
3 Ø, 240/416 V	35 A/Ø	42 A/Ø	50 A/Ø	63 A/Ø	75 A/Ø	125 A/Ø	139 A/Ø
3 Ø, 254/440 V	-	-	-	59 A/Ø	71 A/Ø	118 A/Ø	131 A/Ø



Q Series

(15–165 kVA)



3 Phase Modules*

Reduced capacity operation mode



Modular Configuration

Sectioned for easy installation and reassembly



Lightweight Aluminum

Powder-coated aluminum chassis and covers

The Q Series is ASEA's smallest and lightest shore power converter. The unit features a stackable, modular configuration ideal for refit installations and tight spaces. The 50 kVA and higher units utilize our latest technology, which allows for reduced capacity operation should a Single module be compromised. The system can also be ordered in a two-piece configuration (QTP).

The Q series offers the widest range of power levels. Q models between 112 kVA and 165 kVA are considered “Mega Qs” and are popular on larger projects for their high power density.

MORE FEATURES

- Auto-Restart from shore brownout or blackout
- Conformal coated printed circuit boards
- Front panel display console
- Minimal harmonic distortion
- Reverse polarization prevention
- Galvanic corrosion protection
- Global support network
- Precision regulation

*Available in select models

POWER RANGE

8 12 15 18 20 25 30 36 45 50 55 63 75 90 100 110 125 150 165

kVA

COMMONLY INSTALLED ON



CRUISERS (10 to 16 meters)



YACHTS (17 to 23 meters)



SUPERYACHTS (24 to 45 meters)



MEGAYACHTS (46-65 meters)



GIGAYACHTS (66 to 90 meters)

Q Series (15-165 kVA)

Model	AC15Q	AC15QTP	AC20Q	AC20QTP
Part Number	623510	623524	623511	623523
Input Power Form	Single	Single	Single	Single
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load
Shore Cord Input	Standard	Standard	Standard	Standard
Output Power Rating	Single	Single	Single	Single
Upgradeability	15 kVA	15 kVA	20 kVA	20 kVA
Output Power Form	Single, Split	Single, Split	Single, Split	Single, Split
Upgradeability	20 kVA	20 kVA	N/A	N/A
Output Voltage	110/220, 115/230, 120/240, 220, 230, 240 V	1110/220, 115/230, 120/240, 220, 230, 240 V	110/220, 115/230, 120/240, 220, 230, 240 V	110/220, 115/230, 120/240, 220, 230, 240 V
Output Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	89% @ rated load	89% @ rated load	89% @ rated load	89% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Q	Q	Q	Q
Enclosure Style	Standard	Two Piece	Standard	Two Piece
Legacy Enclosure	Q	QTP	Q	QTP
Weight	154 kg / 340 lbs	64, 107 kg / 141, 236 lbs	154 kg / 340 lbs	64, 107 kg / 141, 236 lbs
Height	85.1 cm / 33.5 in	51.7, 51.7 cm / 20.4, 20.4 in	85.1 cm / 33.5 in	51.7, 51.7 cm / 20.4, 20.4 in
Width	34.9 cm / 13.7 in	34.9, 34.9 cm / 13.7, 13.7 in	34.9 cm / 13.7 in	34.9, 34.9 cm / 13.7, 13.7 in
Depth	66.3 cm / 26.1 in	66.9, 66.9 cm / 26.3, 26.3 in	66.3 cm / 26.1 in	66.9, 66.9 cm / 26.3, 26.3 in

Q Series (15-165 kVA)

Model	AC25Q-1	AC25QTP-1	AC25Q-3	AC25QTP-3
Part Number	607550	611960	607552	611961
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	25 kVA	25 kVA	25 kVA	25 kVA
Output Power Form	Single, Split	Single, Split	Three	Three
Upgradeability	30 kVA	30 kVA	30 kVA	30 kVA
Output Voltage	110/220, 115/230, 120/240, 220, 230, 240 V	110/220, 115/230, 120/240, 220, 230, 240 V	120/208, 127/220, 220/380, 230/400, 240/415 V	120/208, 127/220, 220/380, 230/400, 240/415 V
Output Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	89% @ rated load	89% @ rated load	89% @ rated load	89% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Q	Q	Q	Q
Enclosure Style	Standard	Two Piece	Standard	Two Piece
Legacy Enclosure	Q	QTP	Q	QTP
Weight	214 kg / 472 lbs	93, 157 kg / 205, 346 lbs	214 kg / 472 lbs	93, 157 kg / 205, 346 lbs
Height	101.6 cm / 40.0 in	70.7, 70.7 cm / 27.8, 27.8 in	101.6 cm / 40.0 in	70.7, 70.7 cm / 27.8, 27.8 in
Width	34.8 cm / 13.7 in	34.9, 34.9 cm / 13.7, 13.7 in	34.8 cm / 13.7 in	34.9, 34.9 cm / 13.7, 13.7 in
Depth	67.1 cm / 26.4 in	66.9, 66.9 cm / 26.3, 26.3 in	67.1 cm / 26.4 in	66.9, 66.9 cm / 26.3, 26.3 in

Q Series (15-165 kVA)

Model	AC30Q-1	AC30QTP-1	AC30Q-3	AC30QTP-3
Part Number	607551	611962	607553	611963
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	30 kVA	30 kVA	30 kVA	30 kVA
Output Power Form	Single, Split	Single, Split	Three	Three
Upgradeability	N/A	N/A	N/A	N/A
Output Voltage	110/220, 115/230, 120/240, 220, 230, 240 V	110/220, 115/230, 120/240, 220, 230, 240 V	120/208, 127/220, 220/380, 230/400, 240/415 V	120/208, 127/220, 220/380, 230/400, 240/415 V
Output Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	89% @ rated load	89% @ rated load	89% @ rated load	89% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Q	Q	Q	Q
Enclosure Style	Standard	Two Piece	Standard	Two Piece
Legacy Enclosure	Q	QTP	Q	QTP
Weight	214 kg / 472 lbs	93, 157 kg / 205, 346 lbs	214 kg / 472 lbs	93, 157 kg / 205, 346 lbs
Height	101.6 cm / 40.0 in	70.7, 70.7 cm / 27.8, 27.8 in	101.6 cm / 40.0 in	70.7, 70.7 cm / 27.8, 27.8 in
Width	34.8 cm / 13.7 in	34.9, 34.9 cm / 13.7, 13.7 in	34.8 cm / 13.7 in	34.9, 34.9 cm / 13.7, 13.7 in
Depth	67.1 cm / 26.4 in	66.9, 66.9 cm / 26.3, 26.3 in	67.1 cm / 26.4 in	66.9, 66.9 cm / 26.3, 26.3 in

Q Series (15-165 kVA)

Model	AC36Q-1	AC36Q-3	AC45Q-1	AC45Q-3
Part Number	618501	618503	618502	618504
Input Power Form	Single, Three	Single, Three	Single, Three	Single, Three
Input Voltage	170-520 V	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	36 kVA	36 kVA	45 kVA	45 kVA
Output Power Form	Single, Split	Three	Single, Split	Three
Upgradeability	45 or 50 kVA	45 or 50 kVA	50 kVA	50 kVA
Output Voltage	110/220, 115/230, 120/240, 220, 230, 240 V	120/208, 127/220, 220/380, 230/400, 240/415 V	110/220, 115/230, 120/240, 220, 230, 240 V	120/208, 127/220, 220/380, 230/400, 240/415 V
Output Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	91% @ rated load	91% @ rated load	91% @ rated load	91% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Q	Q	Q	Q
Enclosure Style	Standard	Standard	Standard	Standard
Legacy Enclosure	Q	Q	Q	Q
Weight	308 kg / 680 lbs	308 kg / 680 lbs	308 kg / 680 lbs	308 kg / 680 lbs
Height	120.0 cm / 47.2 in	120.0 cm / 47.2 in	120.0 cm / 47.2 in	120.0 cm / 47.2 in
Width	48.8 cm / 19.2 in	48.8 cm / 19.2 in	48.8 cm / 19.2 in	48.8 cm / 19.2 in
Depth	64.3 cm / 25.3 in	64.3 cm / 25.3 in	64.3 cm / 25.3 in	64.3 cm / 25.3 in

Q Series (15-165 kVA)

Model	AC50Q-3	AC63Q-3	AC75Q-3
Part Number	630502	60503	630521
Input Power Form	Three	Three	Three
Input Voltage	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load
Auto Restart	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single
Output Power Rating	50 kVA	63 kVA	75 kVA
Output Power Form	Three	Three	Three
Upgradeability	63 or 75 kVA	75 kVA	N/A
Output Voltage	120/208, 127/220, 220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V	120/208, 127/220, 220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V	120/208, 127/220, 220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V
Output Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Output Current	See table below	See table below	See table below
Efficiency	89% @ rated load	89% @ rated load	89% @ rated load
Cooling	Air	Air	Air
Mounting	Floor	Floor	Floor
Series	Q	Q	Q
Enclosure Style	Standard	Standard	Standard
Legacy Enclosure	Q	Q	Q
Weight	382 kg / 842 lbs	431 kg / 950 lbs	431 kg / 950 lbs
Height	94.7 cm / 37.3 in	108.0 cm / 42.5 in	108.0 cm / 42.5 in
Width	48.8 cm / 19.2 in	48.8 cm / 19.2 in	48.8 cm / 19.2 in
Depth	64.3 cm / 25.3 in	64.3 cm / 25.3 in	64.3 cm / 25.3 in

Q Series (15-165 kVA)

Model	AC112Q-3	AC125Q-3	AC150Q-3	AC165Q-3
Part Number	619512	619515	619517	619513
Input Power Form	Three	Three	Three	Three
Input Voltage	330-520 V	330-520 V	330-520 V	330-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at Rated load
Auto Restart	Standard	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single	Single
Output Power Rating	112 kVA	125 kVA	150 kVA	165 kVA
Output Power Form	Three	Three	Three	Three
Upgradeability	125 kVA	N/A	165 kVA	N/A
Output Voltage	220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V	220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V	220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V	220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V
Output Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Output Current	See table below	See table below	See table below	See table below
Efficiency	89% @ rated load	89% @ rated load	89% @ rated load	89% @ rated load
Cooling	Air	Air	Air	Air
Mounting	Floor	Floor	Floor	Floor
Series	Q	Q	Q	Q
Enclosure Style	Standard	Standard	Standard	Standard
Legacy Enclosure	Mega Q	Mega Q	Mega Q	Mega Q
Weight	898 kg / 1980 lbs	898 kg / 1980 lbs	943 kg / 2079 lbs	943 kg / 2079 lbs
Height	122.6 cm / 48.3 in	122.6 cm / 48.3 in	157.5 cm / 62.0 in	157.5 cm / 62.0 in
Width	59.4 cm / 23.4 in	59.4 cm / 23.4 in	59.0 cm / 23.2 in	59.0 cm / 23.2 in
Depth	72.4 cm / 28.5 in	72.4 cm / 28.5 in	90.1 cm / 35.5 in	90.1 cm / 35.5 in

Q Series (15-165 kVA)

OUTPUT CURRENT

Output Form	15 kVA	20 kVA	25 kVA	30 kVA	36 kVA	45 kVA	50 kVA
1 Ø, 220 V	68 A/Ø	91 A/Ø	114 A/Ø	136 A/Ø	164 A/Ø	205 A/Ø	-
1 Ø, 230 V	65 A/Ø	87 A/Ø	109 A/Ø	130 A/Ø	157 A/Ø	196 A/Ø	-
1 Ø, 240 V	63 A/Ø	83 A/Ø	104 A/Ø	125 A/Ø	150 A/Ø	187 A/Ø	-
2 Ø, 110/220 V	68 A/Ø	91 A/Ø	104 A/Ø	125 A/Ø	-	-	-
2 Ø, 115/230 V	65 A/Ø	87 A/Ø	-	-	-	-	-
2 Ø, 120/240 V	63 A/Ø	83 A/Ø	-	-	150 A/Ø	187 A/Ø	-
3 Ø, 120/208 V	-	-	70 A/Ø	83 A/Ø	100 A/Ø	125 A/Ø	139 A/Ø
3 Ø, 127/220 V	-	-	66 A/Ø	79 A/Ø	95 A/Ø	118 A/Ø	131 A/Ø
3 Ø, 220/380 V	-	-	38 A/Ø	45 A/Ø	56 A/Ø	68 A/Ø	76 A/Ø
3 Ø, 230/400 V	-	-	36 A/Ø	43 A/Ø	52 A/Ø	65 A/Ø	72 A/Ø
3 Ø, 240/416 V	-	-	35 A/Ø	42 A/Ø	50 A/Ø	63 A/Ø	69 A/Ø

Output Form	63 kVA	75 kVA	100 kVA	112 kVA	125 kVA	150 kVA	165 kVA
1 Ø, 220 V	-	-	-	-	-	-	-
1 Ø, 230 V	-	-	-	-	-	-	-
1 Ø, 240 V	-	-	-	-	-	-	-
2 Ø, 110/220 V	-	-	-	-	-	-	-
2 Ø, 115/230 V	-	-	-	-	-	-	-
2 Ø, 120/240 V	-	-	-	-	-	-	-
3 Ø, 120/208 V	175 A/Ø	209 A/Ø	-	-	-	-	-
3 Ø, 127/220 V	165 A/Ø	197 A/Ø	-	-	-	-	-
3 Ø, 220/380 V	95 A/Ø	114 A/Ø	152 A/Ø	170 A/Ø	189 A/Ø	227 A/Ø	250 A/Ø
3 Ø, 230/400 V	91 A/Ø	109 A/Ø	145 A/Ø	163 A/Ø	181 A/Ø	217 A/Ø	239 A/Ø
3 Ø, 240/416 V	88 A/Ø	104 A/Ø	140 A/Ø	156 A/Ø	174 A/Ø	208 A/Ø	229 A/Ø



Liquid Cooled Series (55–165 kVA)



Sealed Internal Cooling

Oil cooling allows for installation in warm environments



High Power Density

Compact design allows for high power in a small package

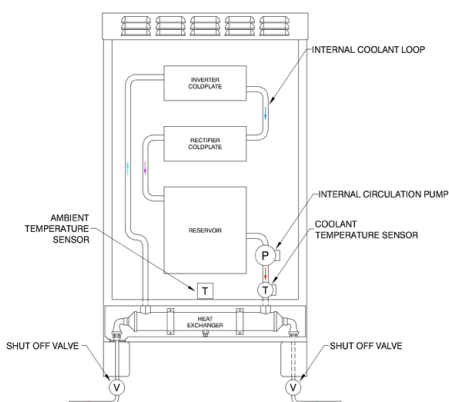


Stainless Steel & Aluminum

Powder coated for ultimate durability and protection

The Liquid Cooled (LC) Series shore power converters are internally oil-cooled, where a customer-managed water-cooling loop carries away heat energy from the cooling oil via a base-mounted heat exchanger. The main oil reservoir is sealed and splash-proof.

The LC models utilize dual-conversion technology where the shore power service is isolated by the transformer and then converted to DC power by the DC power supply module.



MORE FEATURES

- Auto-Restart from shore brownout or blackout
- Conformal coated printed circuit boards
- Front panel display console
- Minimal harmonic distortion
- Reverse polarization prevention
- Galvanic corrosion protection
- Global support network
- Precision regulation

POWER RANGE

8 12 15 18 20 25 30 36 45 50 55 63 75 90 100 110 125 150 165

kVA

COMMONLY INSTALLED ON



CRUISERS (10 to 16 meters)



YACHTS (17 to 23 meters)



SUPERYACHTS (24 to 45 meters)



MEGAYACHTS (46-65 meters)



GIGAYACHTS (66 to 90 meters)

Liquid Cooled Series (55-165 kVA)

Model	AC55LC-3	AC63LC-3	AC75LC-3
Part Number	616722	616724	616726
Input Power Form	Three	Three	Three
Input Voltage	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single
Output Power Rating	55 kVA	63 kVA	75 kVA
Output Power Form	Three	Three	Three
Upgradeability	63 or 75 kVA	75 kVA	N/A
Output Voltage	220/380, 230/400, 240/416, 254/440, 277/480 V	220/380, 230/400, 240/416, 254/440, 277/480 V	220/380, 230/400, 240/416, 254/440, 277/480 V
Output Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Output Current	See table below	See table below	See table below
Efficiency	92% @ rated load	92% @ rated load	92% @ rated load
Cooling	Closed oil loop cooled by heat exchanger	Closed oil loop cooled by heat exchanger	Closed oil loop cooled by heat exchanger
Mounting	Floor	Floor	Floor
Series	Liquid Cooled	Liquid Cooled	Liquid Cooled
Enclosure Style	Standard	Standard	Standard
Legacy Enclosure	S	S	S
Weight	612 kg / 1350 lbs	612 kg / 1350 lbs	612 kg / 1350 lbs
Height	107.0 cm / 42.1 in	107.0 cm / 42.1 in	107.0 cm / 42.1 in
Width	60.3 cm / 23.7 in	60.3 cm / 23.7 in	60.3 cm / 23.7 in
Depth	76.2 cm / 30 in	76.2 cm / 30 in	76.2 cm / 30 in

Liquid Cooled Series (55-165 kVA)

Model	AC90LC-3	AC100LC-3	AC125LC-3
Part Number	617720	617722	617726
Input Power Form	Three	Three	Three
Input Voltage	170-520 V	170-520 V	170-520 V
Input Frequency	40-70 Hz	40-70 Hz	40-70 Hz
Power Factor	>0.98 @ rated load	>0.98 @ rated load	>0.98 @ rated load
Auto Restart	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single
Output Power Rating	90 kVA	100 kVA	125 kVA
Output Power Form	Three	Three	Three
Upgradeability	100 or 125 kVA	125 kVA	N/A
Output Voltage	220/380, 230/400, 240/416, 254/440, 277/480 V	220/380, 230/400, 240/416, 254/440, 277/480 V	220/380, 230/400, 240/416, 254/440, 277/480 V
Output Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Output Current	See table below	See table below	See table below
Efficiency	93% @ rated load	93% @ rated load	93% @ rated load
Cooling	Closed oil loop cooled by heat exchanger	Closed oil loop cooled by heat exchanger	Closed oil loop cooled by heat exchanger
Mounting	Floor	Floor	Floor
Series	Liquid Cooled	Liquid Cooled	Liquid Cooled
Enclosure Style	Standard	Standard	Standard
Legacy Enclosure	U	U	U
Weight	869 kg / 1916 lbs	869 kg / 1916 lbs	869 kg / 1916 lbs
Height	119.4 cm / 47.0 in	119.4 cm / 47.0 in	119.4 cm / 47.0 in
Width	67.3 cm / 26.5 in	67.3 cm / 26.5 in	67.3 cm / 26.5 in
Depth	87.3 cm / 34.4 in	87.3 cm / 34.4 in	87.3 cm / 34.4 in

Liquid Cooled Series (55-165 kVA)

OUTPUT CURRENT

Output Form	AC55LC-3	AC63LC-3	AC75LC-3
3 Ø, 277/480 V	66 A/Ø	76 A/Ø	90 A/Ø
3 Ø, 254/440 V	72 A/Ø	83 A/Ø	98 A/Ø
3 Ø, 240/416 V	76 A/Ø	88 A/Ø	104 A/Ø
3 Ø, 230/400 V	80 A/Ø	91 A/Ø	109 A/Ø
3 Ø, 220/380 V	83 A/Ø	95 A/Ø	114 A/Ø
3 Ø, 127/220 V	144 A/Ø	165 A/Ø	197 A/Ø
3 Ø, 120/208 V	152 A/Ø	175 A/Ø	209 A/Ø

Output Form	AC90LC-3	AC100LC-3	AC125LC-3
3 Ø, 277/480 V	108 A/Ø	120 A/Ø	150 A/Ø
3 Ø, 254/440 V	118 A/Ø	131 A/Ø	164 A/Ø
3 Ø, 240/416 V	125 A/Ø	139 A/Ø	174 A/Ø
3 Ø, 230/400 V	130 A/Ø	145 A/Ø	181 A/Ø
3 Ø, 220/380 V	136 A/Ø	152 A/Ø	189 A/Ø
3 Ø, 127/220 V	-	-	-
3 Ø, 120/208 V	-	-	-



Liquid Cooled Z Series (55–75 kVA)



Sealed Internal Cooling

Water cooling allows for installation in warm environments



High Power Density

Compact design allows for high power in a small package



Stainless Steel & Aluminum

Powder coated for ultimate durability and protection

The Liquid Cooled Z Series (LCZ) shore power converters are integrated with the ship's cool water system. It is rated IP44 to meet IEC 60092/507 for yachts over 24 m and has inverter redundancy for increased durability. Specifically designed in a modular fashion and compact size, the LCZ is made to fit through standard engine room door widths.

MORE FEATURES

- Water-cooled to run at higher ambient air temperatures
- Modular design to fit through engine room hatches
- IP44 water-resistant enclosure
- Inverter redundancy to work at reduced load if there is a power module issue
- Isolation transformer for galvanic protection
- Slide-out module access tray
- Global support network

POWER RANGE



COMMONLY INSTALLED ON



CRUISERS (10 to 16 meters)



YACHTS (17 to 23 meters)



SUPERYACHTS (24 to 45 meters)



MEGAYACHTS (46-65 meters)



GIGAYACHTS (66 to 90 meters)

Liquid Cooled Z (LCZ) Series (55-75 kVA)

Model	AC55LCZ	AC63LCZ	AC75LCZ
Part Number	-	-	-
Input Power Form	Three	Three	Three
Input Voltage	170–520 V	170–520 V	170–520 V
Input Frequency	40–70 Hz	40–70 Hz	40–70 Hz
Power Factor	> 0.99 at rated load	> 0.99 at rated load	> 0.99 at rated load
Auto Restart	Standard	Standard	Standard
Shore Cord Input	Single	Single	Single
Output Power Rating	55 kVA	63 kVA	75 kVA
Output Power Form	Three	Three	Three
Dual Cabinet Configuration	AC110LCZ	AC125LCZ	AC150LCZ
Output Voltage	120/208, 127/220, 220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V	120/208, 127/220, 220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V	120/208, 127/220, 220/380, 230/400, 240/415, 254/440, 262/454, 277/480 V
Efficiency	94%	94%	94%
Output Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Cooling	Liquid	Liquid	Liquid
Mounting	Floor	Floor	Floor
Series	LCZ	LCZ	LCZ
Enclosure Style	LC	LC	LC
Weight	1113.3 lb / 505 kg	1113.3 lb / 505 kg	1113.3 lb / 505 kg
Height	42.0 in / 106.7 cm	42.0 in / 106.7 cm	42.0 in / 106.7 cm
Width	22.64 in / 57.5 cm	22.64 in / 57.5 cm	22.64 in / 57.5 cm
Depth	30.0 in / 76.2 cm	30.0 in / 76.2 cm	30.0 in / 76.2 cm

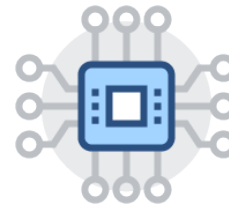


Custom Shore Power Converter Options



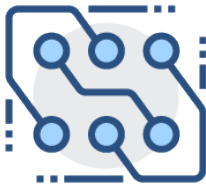
SEAMLESS TRANSFER

STO has the ability to transfer up to four generators seamlessly, eliminating interruptions in power whether the direction is to the shore or the generator.



REMOTE TOUCH PANEL

Monitor and control an ASEA Power shore power converter from a distance of up to 1,000 feet with a remote touch panel that uses modbus RS-485 communication technology.



CONVERTER OUTPUT CIRCUIT BREAKER

This custom ASEA Power option controls the external shore circuit breaker to isolate the converter from the ship's bus when not in use.



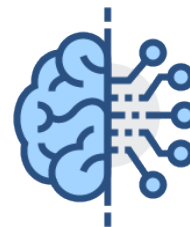
AUXILIARY OUTPUT

With online and standby dry contact confirmation signals, these auxiliaries are capable of controlling another device or sending a status-indicating signal.



REMOTE INTERFACE (RS232, RS485)

Remotely interface with the converters through your existing power management system for monitoring and control.



PROGRAMMABLE LOGIC CONTROL

Conveniently control your ASEA Power shore power converter remotely using a 24 V input.



Remote Control Panel

The Remote Touch Panel (RTP) provides a simple, integrated, high-visibility graphical user interface. The RTP displays information in three frames, one for each converter and one for the vessel's switchgear.

The Switchgear frame includes an active mimic panel which graphically displays the vessel's power bus in real-time as well as controls to pop-up a Meter and Splash About panel.

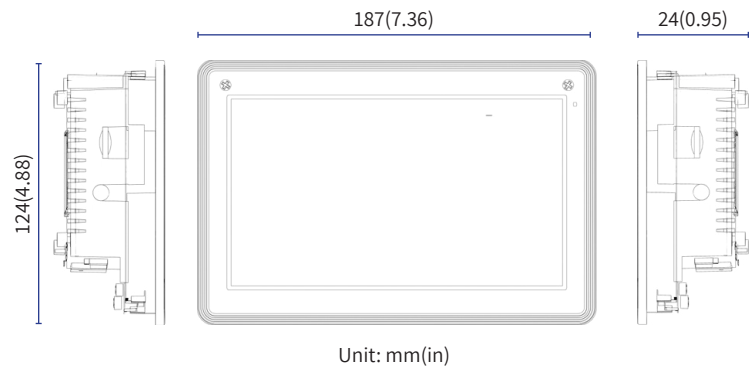
The RTP can also be used to initiate seamless transfer between the converters and the generators.

CONVERTERS FRAME

- **Nominal Voltage**
Shown as true R.M.S. volts
- **Frequency**
Indicated in Hertz (cycles-per-second)
- **Converter Status**
Will indicate any failure or out-of-limit condition
- **Auto-Restart**
Press when converter output is on to turn on the feature
- **Percent of Rated**
Indicates worst-case loading as a percentage of capacity
- **Total Power**
The total power presently being supplied by the converter in kilo-Watts

SWITCHGEAR FRAME

- Shore power converter input state
- Generator 1 engine state and circuit breaker state
- Generator 2 engine state and circuit breaker state
- Tie-breaker circuit breaker state
- System status indicator
- Clear all alarms command
- Emergency power off command



MECHANICAL INFORMATION

- Panel measures 7.36" W x 4.88" H x 0.95" D
- 8.4" SVGA TFT LCD display with LED backlight
- Supports panel mount/wall mount/VESA arm
- Ultra slim and super light design
- Plastic and IP65-rated front bezel



ORDERING INFORMATION

Part number: 604905

Compatible with most converters





DOCK BOOST TRANSFORMERS

Choose ASEA Dock Boost Transformers for enhanced power quality, equipment protection, and a reliable electrical system.

Features

- DBT12 is the perfect fit for Charles Iso-Boost 50 A replacement
- Voltage boosting
- Built-in isolation transformer
- Effective power filtering
- Surge suppression
- Advanced overload protection
- Compact and durable

Benefits

Improved Power Quality

Optimize performance of sensitive electronics with stable, clean power.

Equipment Protection

Safeguard critical onboard equipment from power-related damage.

Enhanced Safety

Ensure electrical safety and minimize risks with comprehensive protection.

Extended Equipment Lifespan

Reduce the need for frequent repairs or replacements.

Peace of Mind

Trust in reliable power quality and advanced protection for a worry-free electrical system.

THE PERFECT FIT

Drop-in Charles Iso-Boost Upgrade*

Dock Boost Transformer

- Identical mounting and wiring
- Wider input voltage range
- Smart boost technology
- 46% weight decrease

*Applies only to the Dock Boost Transformer 12 kVa (DBT12).

Dock Boost Transformer (12–24 kVA)



Compact and Lightweight

Industry recognized mounting pattern



Durable Design

Conformal printed circuit boards and steel housing



Wide Voltage Acceptance

Accepts 167–270 V, 400 V, and 480 V

The Dock Boost Transformer (DBT) provides precision voltage regulation to the vessel, delivering complete protection from the most common shore power problems, including: brownouts, spikes, sags, and low-line or high-line voltage conditions from the dock power pedestal. The DBT also provides three levels of boost to keep your ship powered even when input voltages sag by 35%.

The DBT features a compact and lightweight footprint. By providing an industry recognized mounting pattern, it will fit as the perfect replacement for retrofit applications or new construction.

The DBT12/15 accepts any input voltage ranging 167–270 V (DBT12: 57–70 Hz, DBT15: 47–70 Hz) and provides a split phase 240 V or 230 V output nominal. The DBT24 accepts nominal voltages of 160–270 V plus 400 V and 480 V—each with the same wide range, to provide a 230 V split phase output.

MORE FEATURES

- Auto-Restart from shore brownout, blackout and overload
- Fault shield for bonded, galvanic bridged/isolated ground
- Modbus (RS-485) remote diagnostics
- Advanced power monitoring (input/output parameters)
- Microprocessor based over and under voltage/current protection
- kWh meter included

POWER RANGE

8 12 15 18 20 25 30 36 45 50 55 63 75 90 100 110 125 150 165 **kVA**

COMMONLY INSTALLED ON



CRUISERS (10 to 16 meters)



YACHTS (17 to 23 meters)



SUPERYACHTS (24 to 45 meters)



MEGAYACHTS (46–65 meters)



GIGAYACHTS (66 to 90 meters)

The perfect replacement for the Charles Iso-Boost™*

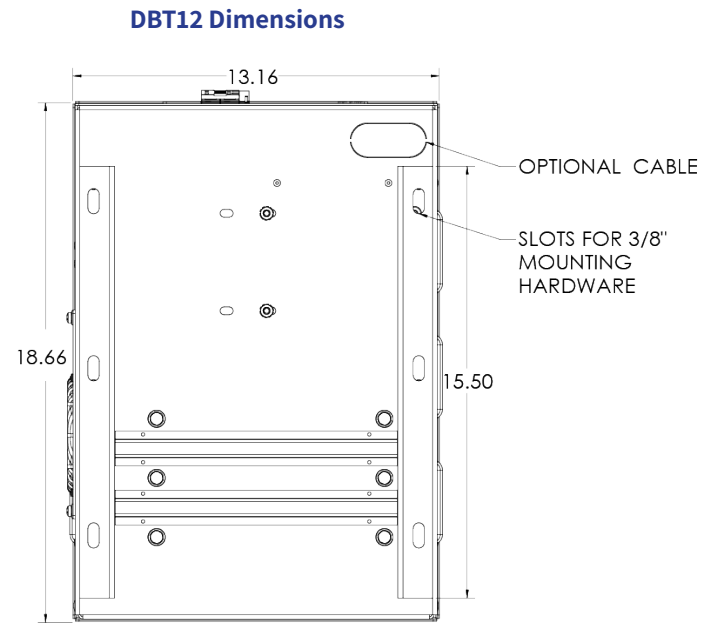
The Charles Iso-Boost™ was arguably the most popular boosting transformer in the marine industry. In late 2016, Charles refocused on telecommunications and enclosures and discontinued the Iso-Boost™. As distributors’ supplies of the legacy product dwindled, few alternatives matched or surpassed the isolation transformer boat builders and end users alike had grown to know and love.

With a sizeable market hungry for a proper replacement, ASEA Power Systems set to work engineering a smart isolation transformer; their efforts resulted in the original Dock Boost Transformer (DBT12). In early 2018, ASEA launched the product to be measured up against its beloved predecessor.

The first generation DBT surpassed the Charles Iso-Boost™ with flying colors; a wider input voltage range, smaller footprint, tighter voltage regulation and 46% weight decrease have made the unit not only the perfect replacement but an undeniable upgrade. The product has been installed in retrofits and new builds across the Americas yielding an overwhelmingly positive response.

ASEA collected and reviewed voice of customer feedback to develop an expansion plan for the Dock Boost Transformer family. The extended line includes DBTs with paralleling capability, increased power levels, and compatibility with international power standards.

Along with paralleling capability, new features include a CPU board with enhanced capabilities for communications and monitoring, auto-restart after latching, data capture of shutdown events to aid troubleshooting, and an increased programmed trip limit to allow for the start of heavy-duty loads such as AC units.



The DBT12 offers more in less space

Specifications	Dock Boost Transformer (DBT12)		Iso-Boost
Input Current	50 amps continuous	✓	50 amps continuous
Input Voltage	167–270 VAC	wider	167–255 VAC
Output Voltage	207–264 VAC	✓	192–255 VAC
Power Level	12 kVA	✓	12 kVA
Boosting Levels	3 taps	smarter	1 tap
Frequency	60 Hz	✓	50/60 Hz
Dimensions	30 x 33 x 47 cm / 12 x 13 x 19 in	smaller	30 x 38 x 45 cm / 12 x 15 x 18 in
Weight	58 kg / 127 lbs	lighter	107 kg / 235 lbs

*Applies only to the Dock Boost Transformer 12 kVa (DBT12).

Dock Boost Transformer (12-24 kVA)

Model	DBT12	DBT15*		DBT24*	
Part Number	628009	628002		628004	
Input Power Form	Single	Single	Single	Single	Single
Input Voltage	167-270	167-270	167-270	167-270, 285-530	167-270, 285-530
Input Frequency	57-70 Hz	47-53 Hz	57-70 Hz	47-53 Hz	57-70 Hz
Input Current, Continuous	50 A	63 A	50 A	100 A	100 A
Input Current, Overload	125 A	156 A	125 A	250 A	250 A
Shore Cord Input	Single	Single	Single	Single	Single
Output Power Rating	12 kVA	15 kVA	12 kVA	24 kVA	24 kVA
Auto Restart	Standard	Standard	Standard	Standard	Standard
Output Power Form	Split	Split	Split	Split	Split
Output Voltage	120/240 V	115/230 V	115/230 V	115/230 V	115/230 V
Output Frequency	same as input	same as input	same as input	same as input	same as input
Output Current, Continuous	50 A	63 A	50 A	100 A	100 A
Output Current, Overload	125 A	156 A	125 A	250 A	250 A
Efficiency	97% @ rated load	97% @ rated load		97% @ rated load	
Cooling	Air	Air		Air	
Mounting	Floor	Floor		Floor	
Series	DBT	DBT		DBT	
Weight	58 kg / 128 lbs	75 kg / 164 lbs		194 kg / 427 lbs	
Height	30.6 cm / 12.0 in	33.1 cm / 13.0 in		41.0 cm / 16.1 in	
Width	33.4 cm / 13.1 in	33.4 cm / 13.1 in		49.7 cm / 19.6 in	
Depth	47.4 cm / 18.7 in	47.4 cm / 18.7 in		62.7 cm / 24.7 in	

*DBT15 & DBT24 will auto-select 50 and 60 Hz frequency



Trident

(24–48 kVA)



Easy Upgrade

Seamless upgrade to the Charles PM3



Intelligent Paralleling

Automatic source selection based on cord availability



GFI Compliant

Won't trip commonly used GFI pedestals

The ASEA Trident system allows two shore cords to be combined into a single output. The pair of DBTs provides three levels of boost to keep your ship powered even when input voltages sag by 30%. The paralleling box ensures that current is shared equally between the shore cords, allowing you to maximize the amount of power you can draw from even the worst shore cord conditions.

In Trident 24, if only one shore cord is available, both outputs receive a 50 A source. When the second cord is connected, the sources combine to create a single 100 A output. Similarly, Trident 48 delivers a 100 A source to both outputs, and when the second cord is added, it combines to generate a single 200 A output. In case of cord failure, the system automatically reverts to a single-source solution. The source-combining method ensures power sharing between shore cords without the risk of tripping GFI-equipped pedestals*.

MORE FEATURES

- Combining of shore cord inputs to create a Single output
- Auto-Restart from shore brownout, blackout, or overload
- Shore cord leveling keeps both cords at the same current to prevent imbalance and tripping
- Fault shield for bonded, galvanic bridged/isolated ground
- Modbus (RS-485) remote diagnostics
- Reverse phase detection and correction
- Advanced power monitoring
- Microprocessor-based over and under voltage and current protection

POWER RANGE



COMMONLY INSTALLED ON



CRUISERS (10 to 16 meters)



YACHTS (17 to 23 meters)



SUPERYACHTS (24 to 45 meters)



MEGAYACHTS (46-65 meters)



GIGAYACHTS (66 to 90 meters)

*No need to add a second GFI due to the isolation transformer in the Trident.

Trident (24–48 kVA)

Model	TRIDENT 24	TRIDENT 48	
Part Number	628008	628015	
Input Power Form	Single	Single	Single
Input Voltage	240 V	167–270 V	285–530 V
Input Frequency	57–70 Hz	47–70 Hz	47–70 Hz
Input Current, Continuous	2 x 50 A	2 x 100 A	2 x 100 A
Input Current, Overload	2 x 100 A	2 x 100 A	2 x 100 A
Shore Cord Input	Dual	Dual	Dual
Output Power Rating	24 kVA	48 kVA	48 kVA
Auto Restart	Standard	Standard	Standard
Output Power Form	Split	Split	Split
Output Voltage	120/240 V	115/230 V	115/230 V
Output Frequency	Same as input	Same as input	Same as input
Output Current, Continuous	100 A*	200A*	200A*
Output Current, Overload	200 A*	200A*	200A*
Efficiency	97% @ rated load	97% @ rated load	
Cooling	Air	Air	
Mounting	Floor	Floor	
Series	Trident	Trident	
Weight	58, 58, 19 kg / 127, 127, 42 lb	58, 58, 19 kg / 127, 127, 42 lb	
Height	30.6, 30.6, 30.7 cm / 12.0, 12.0, 12.1 in	41.91, 41.91, 38.1 cm / 16.5, 16.5, 15.0 in	
Width	33.4, 33.4, 33.5 cm / 13.1, 13.1, 13.2 in	49.91, 49.91, 45.21 cm / 19.6, 19.6, 17.8 in	
Depth	47.4, 47.4, 42.9 cm / 18.7, 18.7, 16.9 in	63.04, 63.04, 55.47 / 24.82, 24.82, 21.84 in	

*If shore cord inputs are in phase



DOCK LOCKER SYSTEMS

When onboard shore power converters are unavailable, rely on ASEA's Dock Locker Systems to enhance safety, efficiency, and protection for onboard electronics.

Features

- Perfect for boats with no onboard converters
- Excellent mobility
- Sturdy build
- Weather-resistant design
- Hassle-free installation
- Secure storage
- Tailored configurations
- Meets your shore power conversion needs at the dock

Benefits

Enhanced Safety

By providing a dedicated storage solution, the Dock Locker Systems help prevent trip hazards and accidents caused by loose cables or equipment clutter.

Increased Efficiency

The organized storage of dockside equipment improves efficiency during power connections, reducing setup time and minimizing the risk of cable damage or tangles.

Protection and Longevity

The Dock Locker System protect valuable equipment from damage caused by environmental factors, prolonging their lifespan and reducing replacement costs.

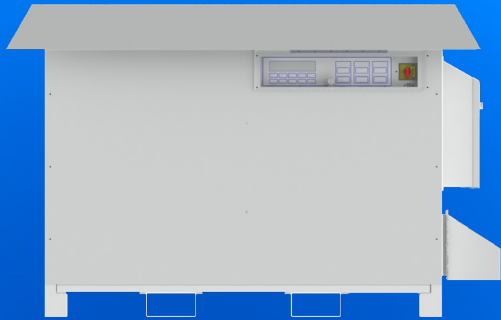
Convenience and Accessibility

With everything stored in one place, dockside equipment is easily accessible when needed, streamlining maintenance, and troubleshooting processes.

Value-Added Feature

Dock Locker Systems' power conversion technology is an attractive addition for marinas and yards, offering enhanced services to customers.

Dock Locker System (63–75 kVA)



Mobile

Easily moved for optimum flexibility



Durable Design

Conformal printed circuit boards and steel housing



3 Phase Inverters

Paralleled inverters to allow for redundancy

The Dock Locker System provides all the benefits of a shore power converter with added mobility and capability to operate in outdoor environments. The durable enclosure has withstood a hurricane with winds up to 73 mph and sustained zero damage.

These models often support refits and other temporary projects. Additionally, the option for power conversion is an attractive value add for marinas and yards. The Dock Locker System also has the potential to be rented out to those vessels without shore power conversion on board. Contact us for custom design needs.

MORE FEATURES

- Designed for outdoors
- Auto-Restart from shore brownout or blackout
- Conformal coated printed circuit boards
- Front panel display console
- Minimal harmonic distortion
- Reverse polarization prevention
- Galvanic corrosion protection
- Global support network
- Precision regulation

POWER RANGE

8 12 15 18 20 25 30 36 45 50 55 63 75 90 100 110 125 150 165

kVA

COMMONLY INSTALLED ON



MARINE DOCKS

Power for temporary stays or emergencies



SHIPYARDS

Power during construction of new builds and refit projects

Dock Locker System (63-75 kVA)

Model	AC63DL	AC75DL
Part Number	Contact Us	625040
Input Power Form	Three	Three
Input Voltage	170–520	170–520
Input Frequency	40–70	40–70
Power Factor	>0.98 @ rated load	>0.98 @ rated load
Shore Cord Input	Single	Single
Output Power Rating	63 kVA	75 kVA
Upgradeability	75 kVA	N/A
Output Power Form	Three	Three
Output Voltage	120/208, 127/220, 220/380, 230/400, 240/416 V	120/208, 127/220, 220/380, 230/400, 240/416 V
Output Frequency	50/60 Hz	50/60 Hz
Output Current	See table below	See table below
Efficiency	93% @ rated load	93% @ rated load
Cooling	Air	Air
Mounting	Floor - dockside	Floor - dockside
Series	Dock Locker	Dock Locker
Enclosure Style	Standard	Standard
Legacy Enclosure	N/A	N/A
Weight	510 kg / 1124 lb	510 kg / 1124 lb
Height	166.0 cm / 65.4 in	166.0 cm / 65.4 in
Width	63.5 cm / 25.0 in	63.5 cm / 25.0 in
Depth	63.5 cm / 25.0 in	63.5 cm / 25.0 in



MCE MARINE POWER

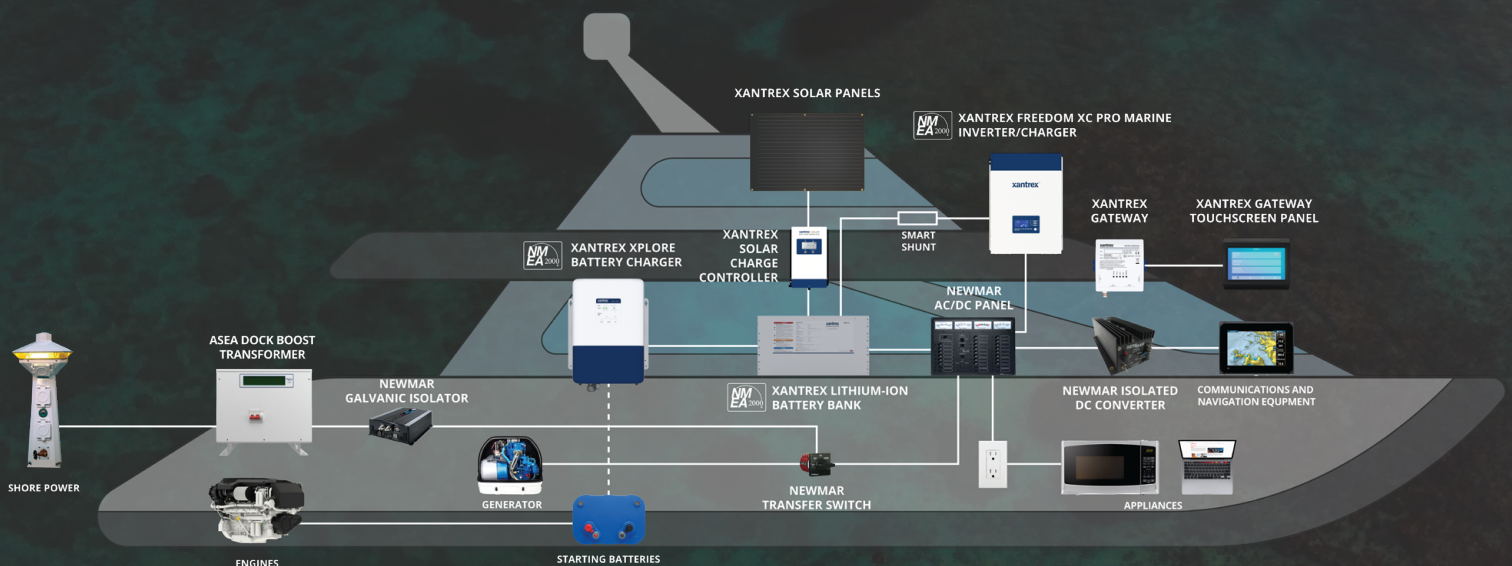


ABOUT MISSION CRITICAL ELECTRONICS

Mission Critical Electronics (MCE) is the parent of industry leading brands such as American Battery Charging, ASEA Power Systems, DuraComm, Kussmaul Electronics, Newmar, Power Products, Purkeys, Xantrex, and ZeroRPM. Headquartered in Costa Mesa, California, MCE is a leader in the development of innovative solutions for power conversion, energy storage, power generation and shore power connectivity for a wide variety of applications in vehicle, marine, industrial and network markets. MCE takes great pride in translating its customers' needs into the highest quality products and solutions available in the markets it serves. MCE delivers its products and solutions with an unmatched level of responsiveness.

MCE serves its customers in North America through nine offices and a third-party warehousing facility. MCE also maintains manufacturing facilities in the US and employs over 300 people. MCE continues to invest in advanced and innovative technologies for electrification of power systems in vehicles and boats.

MARINE



THE POWER OF ONE

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MCE MARINE POWER

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