



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 125 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	110/220, 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	AC125Q-3	AC150Q-3	AC165Q-3
Part Number	619515	619517	619513
Input Power Form	Three	Three	Three
Input Voltage	330-520 V	330-520 V	330-520 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	125 kVA	150 kVA	165 kVA
Output Power Form	Three	Three	Three
Upgradeability	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
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	Mega Q	Mega Q	Mega Q
Weight	898 kg / 1980 lbs	943 kg / 2079 lbs	943 kg / 2079 lbs
Height	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	59.0 cm / 23.2 in	59.0 cm / 23.2 in
Depth	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