

Q SERIES

LIGHT, MODULAR SHORE POWER CONVERTER

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 Q Series utilizes our latest technology, which allows for reduced capacity operation should a single module be compromised.



FEATURES

- Auto-Restart from shore brownout or blackout
- Lightweight powder coated aluminum chassis + cover
- Conformal coated printed circuit boards
- Modular design for convenient installation
- Precision regulation
- Minimal harmonic distortion
- Parallelable for increased output power requirements
- <1% Load Regulation

WEIGHTS AND DIMS

MODEL(S)	DIMENSIONS	WEIGHT
AC15/20Q	in - 33.50 x 13.75 x 26.11 (cm - 85.0 x 34.9 x 66.3)	340lbs (kg)
AC25/30Q	in - 40.00 x 13.75 x 26.40 (cm - 101.6 x 34.8 x 67.1)	472lbs (214kg)
AC36/45Q	in - 47.09 x 19.21 x 25.30 (cm - 119.6 x 48.8 x 64.3)	680lbs (308kg)
AC50/63/75Q-3	in - 42.34 x 19.21 x 25.30 (cm - 107.6 x 48.8 x 64.3)	950lbs (431kg)
AC125Q-3	in - 55.00 x 23.21 x 35.48 (cm - 122.6 x 59.4 x 72.4)	1980lbs (898kg)
AC150/165Q-3	in - 62.00 x 23.21 x 35.48 (cm - 57.5 x 59.0 x 90.1)	2080lbs (943kg)

BENEFITS

MODULAR = EASY INSTALL

The unit features a stackable, modular configuration ideal for refit installations and tight spaces.

REDUCED CAPACITY MODE

The Q Series utilizes our latest technology, which allows for reduced capacity operation should a single module be compromised.

COMPACT AND LIGHTWEIGHT

The Q's small footprint makes it easy to manipulate during installation, commissioning, and service activities.

CONTACT US
 FOR PRICING

RELATED SOLUTIONS
 QTP (Two Piece)

SPECIFICATIONS

POWER LEVEL 15-45KVA (30-90KVA TWO CABINETS PARALLELED)

INPUT	AC15Q	AC20Q	AC25Q-1	AC25Q-3	AC30Q-1	AC30Q-3	AC36Q-1	AC36Q	AC45Q-1	AC45Q-3
PHASE	single	single	single/three	single/three	single/three	single/three	single/three	single/three	single/three	single/three
VOLTAGE	170-520VAC	170-520VAC	170-520VAC	170-520VAC	170-520VAC	170-520VAC	170-520VAC	170-520VAC	170-520VAC	170-520VAC
FREQUENCY	40-70Hz	40-70Hz	40-70Hz	40-70Hz	40-70Hz	40-70Hz	40-70Hz	40-70Hz	40-70Hz	40-70Hz
POWER FACTOR	> 0.99 at Rate Load	> 0.99 at Rate Load	> 0.99 at Rate Load	> 0.99 at Rate Load	> 0.99 at Rate Load	> 0.99 at Rate Load	> 0.98 at Rate Load	> 0.98 at Rate Load	> 0.98 at Rate Load	> 0.98 at Rate Load
AUTO-RESTART	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
SHORE CORD	Single/Dual	Single/Dual	Single	Single	Single	Single	Single	Single	Single	Single

OUTPUT	AC15Q	AC20Q	AC25Q-1	AC25Q-3	AC30Q-1	AC30Q-3	AC36Q-1	AC36Q-3	AC45Q-1	AC45Q-3
BASE POWER LEVEL	15kVA	20kVA	25kVA	25kVA	30kVA	30kVA	36kVA	36kVA	45kVA	45kVA
PHASE	single	single	single	three	single	three	single	three	single	three
UPGRADEABLE	20kVA or parallelable	parallelable	30kVA or parallelable	30kVA or parallelable	parallelable	parallelable	45kVA or par- allelable	45kVA or parallelable	parallelable	parallelable
PARALLELED POWER LEVEL	30kVA	40kVA	50kVA	50kVA	60kVA	60kVA	75kVA	75kVA	90kVA	90kVA
POWER FORM	110/220V 115/230V 120/240V, 220V, 230V 240V	110/220V 115/230V 120/240V, 220V, 230V 240V	110/220V 115/230V 120/240V, 220V, 230V 240V	120/208V 127/220V 220/380V 230/400V 240/415V	110/220V 115/230V 120/240V, 220V, 230V 240V	120/208V 127/220V 220/380V 230/400V 240/415V	110/220V 115/230V 120/240V, 220V, 230V 240V	120/208V 127/220V 220/380V 230/400V 240/415V	110/220V 115/230V 120/240V, 220V, 230V 240V	120/208V 127/220V 220/380V 230/400V 240/415V
FREQUENCY	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz
CURRENT	63A at 240VAC	83A at 240VAC	105A at 240VAC	70A at 120/208VAC 36A at 230/400VAC	125A at 240VAC	83A at 120/208VAC 43A at 230/400VAC	150A at 240VAC	100A at 120/208VAC 52A at 230/400VAC	188A at 240VAC	125A at 120/208V 65A at 230/400VAC
EFFICIENCY			89%	89%	89%	89%	91%	91%	91%	91%

SPECIFICATIONS

POWER LEVEL 50-165KVA (100-330KVA TWO CABINETS PARALLELED)

INPUT	AC50Q-3	AC63Q-3	AC75Q-3	AC125Q-3	AC150Q-3	AC165Q-3
PHASE	three	three	three	three	three	three
VOLTAGE	170-520VAC	170-520VAC	170-520VAC	330-520VAC	330-520VAC	330-520VAC
FREQUENCY	40-70Hz	40-70Hz	40-70Hz	40-70Hz	40-70Hz	40-70Hz
POWER FACTOR	> 0.99 at Rate Load	> 0.99 at Rate Load	> 0.99 at Rate Load	> 0.99 at Rate Load	> 0.99 at Rate Load	> 0.99 at Rate Load
AUTO-RESTART	Standard	Standard	Standard	Standard	Standard	Standard
SHORE CORD	Single	Single	Single	Single	Single	Single

OUTPUT	AC50Q-3	AC63Q-3	AC75Q-3	AC125Q-3	AC150Q-3	AC165Q-3
BASE POWER LEVEL	50kVA	63kVA	75kVA	125kVA	150kVA	165kVA
PHASE	three	three	three	three	three	three
UPGRADEABLE	63-75kVA parallelable	75kVA parallelable	parallelable	parallelable	165kVA parallelable	parallelable
PARALLELED POWER LEVEL	100kVA	125kVA	150kVA	250kVA	300kVA	330kVA
POWER FORM	120/208V, 127/220V, 220/380V, 230/400V, 240/415V, 254/440V, 262/454V, 277/480V	120/208V, 127/220V, 220/380V, 230/400V, 240/415V, 254/440V, 262/454V, 277/480V	120/208V, 127/220V, 220/380V, 230/400V, 240/415V, 254/440V, 262/454V, 277/480V	220/380V, 230/400V, 240/415V, 254/440V, 262/454V, 277/480V	220/380V, 230/400V, 240/415V, 254/440V, 262/454V, 277/480V	220/380V, 230/400V, 240/415V, 254/440V, 262/454V, 277/480V
FREQUENCY	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz
CURRENT	63A at 240VAC	83A at 240VAC	105A at 240VAC	70A at 120/208VAC 36A at 230/400VAC	125A at 240VAC	83A at 120/208VAC 43A at 230/400VAC
EFFICIENCY	89%	89%	89%	89%	89%	89%

CUSTOM OPTIONS

ADDITIONAL FEATURES TO MEET YOUR NEEDS

OUR TEAM OF
ENGINEERS IS
CONTINUOUSLY
WORKING TO
DEVELOP **NEW**
TECHNOLOGY TO
FIT YOUR NEEDS.

Don't see what you need here?
Contact us at sales@aseapower.com.

SEAMLESS TRANSFER OPTION (STO)

ASEA Power offers one of the most reliable seamless transfer systems on the market. Our STO eliminates the need for a PLC-STO system and 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 (RTP)

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 OPTION (COCBO)

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

K2A/K4A AUXILIARY

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

DUAL MASTER CONTROL

Take advantage of the capability to run two power distribution buses at the same time or separately – ASEA Power's dual master controls run in parallel or independent of one another.

PROGRAMMABLE LOGIC CONTROL

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

UNINTERRUPTED POWER SUPPLY (UPS)

Delivering uninterrupted power quality and convenience for ship operations and passengers, the ASEA Power Extender is there to provide backup power to the ship's systems if the shore power should become unstable or unavailable. The system maintains steady and stable power flow while the generator sets are brought online or the shore power returns.

For **custom solutions**, please contact the factory at sales@aseapower.com.