



# Liquid Cooled LCZ Series (55-125kVA)



## 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 LCZ Series 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 Liquid-Cooled LCZ is made to fit through standard engine room door widths (up to 75kVA cabinet size).

For multi-cabinet configurations, contact our team via the ASEA website.

## MORE FEATURES

- Water-cooled to run at higher ambient air temperatures
- Modular design to fit through engine room hatches (up to 75kVA cabinet size)
- 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
- Same footprint to replace current LC systems with hose connections at the same location.
- Designed with front access for all servicing needs, eliminating the need for top or side access and removing concerns about service clearances.

### 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 LCZ Series (55-125kVA)

Model	55kVA	63kVA	75kVA
Part Number	AC55LCZ-3	AC63LCZ-3	AC75LCZ-3
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-3/2	AC125LCZ-3/2	AC150LCZ-3/2
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

\* multi-cabinet configuration is possible, reach out to our team on [www.aseapower.com](http://www.aseapower.com)

# Liquid Cooled LCZ Series (55-125kVA)

Model	90kVA	100kVA	125kVA
Part Number	AC90LCZ-3	AC100LCZ-3	AC125LCZ-3
Input Power Form	Three Phase	Three Phase	Three Phase
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	90kVA	100kVA	125kVA
Output Power Form	Three	Three	Three
Dual Cabinet Configuration*	AC180LCZ-3/2	AC200LCZ-3/2	AC250LCZ-3/2
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
Efficiency	93%	93%	93%
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	1650.0 lbs / 748.4 kg	1650.0 lbs / 748.4 kg	1650.0 lbs / 748.4 kg
Height	47 in / 119.4 cm	47 in / 119.4 cm	47 in / 119.4 cm
Width	26.5 in / 67.3 cm	26.5 in / 67.3 cm	26.5 in / 67.3 cm
Depth	35.4 in / 89.9 cm	35.4 in / 89.9 cm	35.4 in / 89.9 cm

\*multi-cabinet configuration is possible, reach out to our team on [www.aseapower.com](http://www.aseapower.com)

# Liquid Cooled LCZ Series (55-125kVA)

## Output Current\*

Output Form	AC55LCZ-3	AC63LCZ-3	AC75LCZ-3
3Ø, 277/480VRMS	60ARMS/Ø	76ARMS/Ø	90ARMS/Ø
3Ø, 254/440VRMS	66ARMS/Ø	83ARMS/Ø	98ARMS/Ø
3Ø, 240/416VRMS	69ARMS/Ø	88ARMS/Ø	104ARMS/Ø
3Ø, 230/400VRMS	72ARMS/Ø	91ARMS/Ø	109ARMS/Ø
3Ø, 220/380VRMS	76ARMS/Ø	95ARMS/Ø	114ARMS/Ø
3Ø, 127/220VRMS	131ARMS/Ø	165ARMS/Ø	197ARMS/Ø
3Ø, 120/208VRMS	139ARMS/Ø	175ARMS/Ø	209ARMS/Ø

Output Form	AC90LCZ-3	AC100LCZ-3	AC125LCZ-3
3Ø, 277/480VRMS	108ARMS/Ø	120ARMS/Ø	150ARMS/Ø
3Ø, 254/440VRMS	118ARMS/Ø	131ARMS/Ø	164ARMS/Ø
3Ø, 240/416VRMS	125ARMS/Ø	139ARMS/Ø	174ARMS/Ø
3Ø, 230/400VRMS	130ARMS/Ø	145ARMS/Ø	181ARMS/Ø
3Ø, 220/380VRMS	136ARMS/Ø	152ARMS/Ø	189ARMS/Ø

\*Output RMS at 0.85 pf at rated kVA