



MARINE TYPE CONVERTER
SPC Series
10-1000 kVA

SHORE POWER CONVERTER



MODULAR
FLEXIBLE
DESIGN



Highlights

- Unique Modular Design
- Seamless Generator Transfer (Optional)
- Dual Input (Optional)
- Bi-Directional Power Flow
- Conformal Coated Printed Circuit Boards
- Reverse Polarization Protection
- Galvanic Corrosion Protection
- Galvanic Isolation Between Input and Output
- 7" Multilanguage Touch Panel Operator Interface
- IGBT Rectifier and Inverter Technology
- Output Power Factor 0.9 (Optional)
- DSP Control
- Ultra High Efficiency
- Low Input Current THD (<3%)
- High Input Power Factor (>0,99)
- Wide Input Voltage Range
- Overload and Short Circuit Protection
- Parallel Operation
- Liquid Cooling (Optional)
- Advanced User Interface
- EPO (Emergency Shutdown)
- 2000 Real Time Event Log With Detailed Parameters
- Auto Restart
- High Efficiency & Low Operating Cost
- Short MTTR (Average Repair Period)
- Marine Filter System
- Parallel Operation and Power Sharing

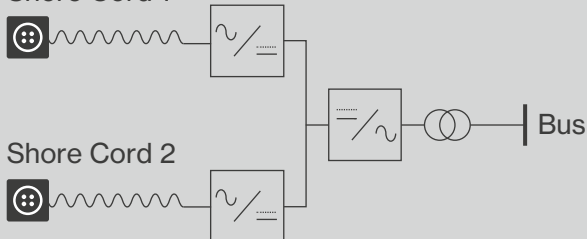
TECHNICAL SPECIFICATIONS

10 - 1000 kVA	
INPUT	
Voltage	180 - 520 VAC 3P+PE (N Optional)
Frequency Tolerance	30 - 70 Hz
Power Factor	>0.99
Total Harmonic Distortion (THD)	<%3
OUTPUT	
Power Factor	0.9 (1 Optional)
Voltage	208/380/400/415/440/480/690 VAC 3P+PE (N Optional)
Voltage Tolerance	Static ± 1 , Dynamic ± 3
Frequency Tolerance	50Hz / 60Hz / 400 Hz $\pm 0,01\%$
Output THD	Linear Load <1% / Non-Linear Load <3%
Crest Factor	3:1
Overload Capacity*	At 125% Load 10min, at 150% Load 1min
Efficiency (Online Mod)	94%
ENVIRONMENT	
Operating Temperature	0°C / +50°C
Storage Temperature	-15°C / +50°C
Protection Class	IP20 (IP Optional)
Relative Humidity	0-95% (Non-Condensing)
Working Height	<1000m, Correction Factor 1. <2000m, Correction Factor >0.92, <3000m; Correction Factor >0.84
Noise Level	<65 dBA
Cooling	Air Forced Air (Standard)
	Liquid Optional (Forced air + valve controlled liquid) (Non Corrosive, 3 ltr. /min flow and between 0°C and 35°C)
COMMUNICATION	
Communication Port	RS232, RS485, MOD-Bus, J-Bus, CAN-Bus, SNMP (Optional), Dry Contact (Optional)
STANDARDS	
Quality	ISO 9001, ISO 14001, ISO 45001
Performance	EN62040-3
EMC/LVD	EN62040-2, EN62040-1, EN60950
Marine Certificate	Optional
DIMENSION & WEIGHT	
Cabinet Dimensions (mm)	Width Depth Height
	Contact us for dimensions.

Seapower reserves the right to change or modify product design, construction, specifications, or materials without prior notice.

CONNECTION TYPES

Shore Cord 1



Shore Cord 2

Shore Cord 1

