

MODULAR
FLEXIBLE
DESIGN

mt **CONVERTER**

SPC Series 10-1000 kVA
3:3 SHORE POWER CONVERTER



MODULAR



SERVICE



POWER FACTOR



MARINE



INDUSTRY



TRANSPORT



MEDICAL

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
- 2000 Real Time Event Log With Detailed Parameters
- Advanced User Interface
- EPO (Emergency Shutdown)
- Liquid Cooling (Optional)
- Auto Restart
- High Efficiency & Low Operating Cost
- Short MTTR (Average Repair Period)
- Marine Filter System
- Parallel Operation and Power Sharing

SPC SERIES TECHNICAL SPECIFICATIONS 10-1000 kVA

INPUT

Voltage	170 – 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/400Hz $\pm 0,01\%$
Output THD	Linear Load <1% / Non-Linear Load <3%
Crest Factor	3:1
Overload Capacity*	At 125% Load 10 min, at 150% Load 1 min
Efficiency (Online Mod)	94%

ENVIRONMENT

Operating Temperature	0°C / +50°C
Storage Temperature	-15°C / +50°C
Protection Class	IP20 (IP54 – IP65 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)
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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)	Contact us for Dimensions.
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SEAPOWER reserves the right to change or modify product design, construction, specifications or materials without prior notice.