

MARPOWER® SPC-II

SHORE POWER CONVERTER

MarPower® SPC-II product series is EXENDIS' Next Generation of highly reliable Shore Power Converters designed to safeguarding quality power supply on board of yachts and to support the wide variety of voltages and frequencies offered by marinas all over the world.



Benefits

- **MarPower® SPC-II** superior quality and reliability helps to reduce operational cost
- 'Single-button' power transfer between generator and shore converter provides ease of operation
- Galvanic isolation offers optimal safety
- Integrated multiple cord capabilities optimizes connection to the shore

Features

- Converter with extremely wide input voltage range
- Modular concept
- Low power consumption
- Used components provides high quality sine output
- Global support of input frequencies
- Full Seamless Power Transfer Operation support
- Parallel Operation support

Applications

- Global support of variety in marina power supply
- Power conditioning at open seas
- Support of load sharing with generators
- High quality variable speed drive

TECHNICAL SPECIFICATIONS

1. Electrical	
Input voltage (Phase-Phase):	170V to 550 V 3 ph.
Input frequency:	47Hz to 63Hz
Input power factor:	>0.99
Output voltage:	400V / 230V, 3 ph., / N / PE
Output voltage tolerance static:	1%
Output frequency:	50Hz or 60Hz
Output frequency tolerance:	1Hz
Output powers available:	36, 45, 50, 70, 80, 90, 100, 135, 150 kVA
Output power overload capabilities:	2 x I _{nom} for 5sec 1.5 x I _{nom} for 30sec 1.1 x I _{nom} for 2h
Power factor output (max):	0.85 over full range of input voltages
System efficiency:	95% at full load typical
Response time:	< 1ms
2. Physical Design	
Width, Depth, mm:	800 x 600
Height, mm:	1000 (36kVA to 50kVA) 1400 (70kVA to 100 kVA) 1800 (135kVA, 150 kVA)
Weight range:	580kg to 1450kg
Material:	Sheet Steel
Color:	RAL 9010 (other colors available)
Degree of protection:	IP23
3. Environmental	
Operational temperature:	0 to +45C°
Operational humidity:	0 to 95% non-condensing
Operational movement permanent:	15, 6 (list trim, degrees)
Operational motion:	30, 10 (rolling pitching, degrees)
Storage temperature:	-25C° to +70C°
4. Management	
User panel:	status LEDs, LCD display, switches
Remote control:	Potential free contacts, RS 232-C, RS 485
5. Reliability	
MTBF:	> 30,000hrs
Lifetime Expectancy:	> 20years
6. Standards	
Quality Assurance:	ISO 9001 Lloyd's Register of Shipping CE

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