

WPC-series

Recreational vehicles • Commercial trucks • Marine applications • Remote homes • Industrial back-up



Datasheet

Whisper Power Centre • Your integrated sine wave inverter/battery charger



WPC-2000-12 • WPC-3500-24 • WPC-4000-48

Robust heavy duty Power Centre
for a perfect System Integration

- Combined charger and sine wave inverter
- Power support function (smart-boost)
- Highly efficient (93-96%)
- Superior start-up power
- Dual input: generator and grid/shore input
- Dual output: High power & inverter output
- Seamless AC source switching
- Available for 12, 24 and 48 VDC



green energy solutions

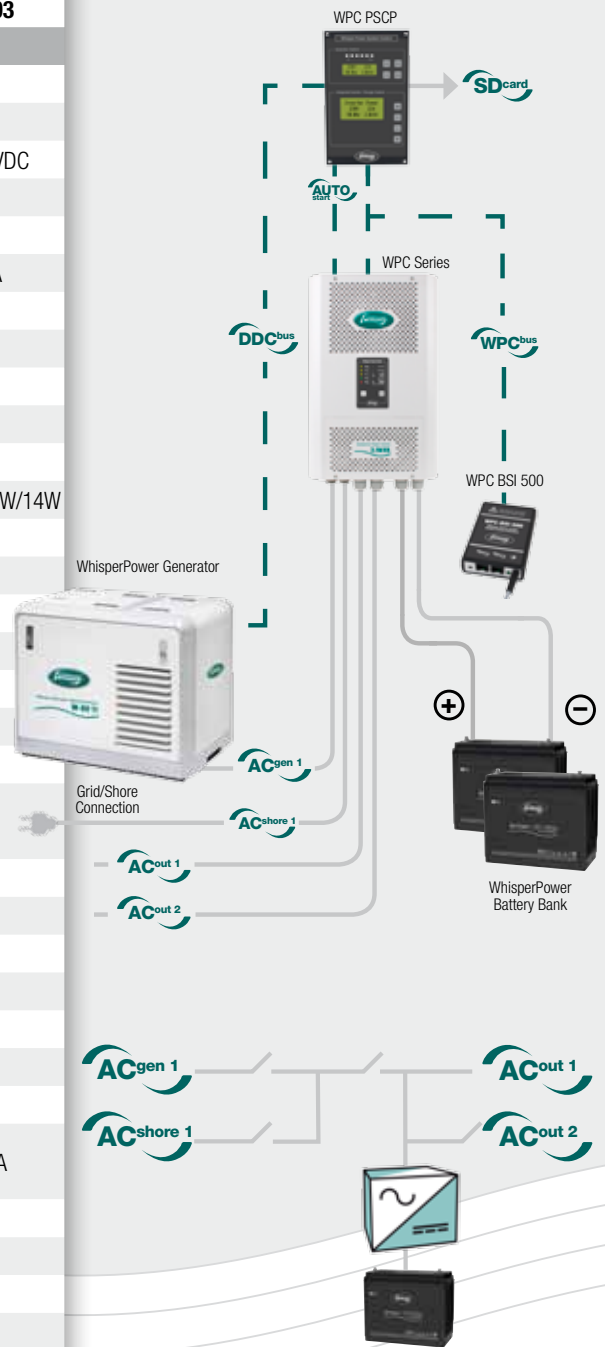


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Model name	WPC-2000-12*	WPC-3500-24*	WPC-4000-48*
Art. Nr.	60201001	60201002	60201003
Technical specifications			
Inverter			
Nominal battery voltage	12 VDC	24 VDC	48 VDC
Input voltage range	9.5 - 17 VDC	19 - 34 VDC	38 - 68 VDC
Continuous power @ 25°C	2000VA	3000VA	3500VA
Power 30 min. @ 25°C	2000VA	3500VA	4000VA
Power 5 sec. @ 25°C	6000VA	9000VA	10500VA
Maximum load	Up to short-circuit (fully protected)		
Maximum a-symmetric load	Up to continuous power		
Load detection (stand-by)	2 to 25W (AES) Automatic Enable System		
Power factor	0.1-1		
Maximum efficiency	93%	94%	96%
Consumption OFF/Stand-by/ON	1.4W/1.6W/9W	1.4W/1.6W/12W	1.8W/2.1W/14W
Output voltage	Pure sine wave 230 VAC (+/- 2%)		
Output frequency	50Hz / 60Hz (1) +/- 0.05% (crystal controlled)		
Harmonic distortion (Voltage)	<2% THD		
Overload and short-circuit protection	Automatic disconnection with 3 time restart attempt		
Overheat protection	Warning before shut-off with automatic restart		
Battery charger			
Charge Characteristic	6-step Bulk-Absorption-Floating-Equalization-reduced floating-periodic absorption. Number of steps, thresholds, return amps completely adjustable.		
Maximum charging current	100A	90A	50A
Temperature compensation	With Whisper temperature sensor WPC-BTS		
Power Factor Correction (PFC)	EN 61000-3-2		
General data			
Input voltage range	184 VAC to 250 VAC		
Input frequency	45 to 65 Hz		
Input current max. (transfer relay) / Output current max.	30A / 50A	30A / 45A	30A / 47A
Transfer time	<15ms		
Weight	25 kg	28 kg	28 kg
Dimension hxxwd [mm]	510 x 330 x 150		
Protection degree	IP21		
Color	RAL 9003		
Conformity	Directive EMC 2004/108/EC : EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, EN 61000-3-2, 62040-2. Low voltage directive 2006/95/EC : EN 62040-1-1, EN 50091-2, EN 60950-1		
Operating temperature range	-20..+40°C, derating to 55°C		
Relative humidity in operation	95% without condensation		
Ventilation	Forced from 45°C		
Acoustic level	<40dB / <45dB (without/with ventilation)		
Warranty	2 years		

*) Designed to operate with Whisper SC & SQ diesel generators. 'Powerbox' delivered as part of the Genverter 7i



WPC-Accessoires

Art. Nr.	Item
60201050	WPC-PSCP Power System Control Panel
60201080	WPC-RCC Remote Combi Control
60201082	WPC-BSI 500 Battery Status Interface
60201084	WPC-RS232 Serial Interface
60201086	WPC-BTS Battery Temperature Sensor