

System Combi's WPC Series

Our WhisperPower Center is the ultimate inverter / charger for multifunctional energy systems. It is one of the most efficient and powerful inverters available on the market with 94 % yield and peak capacity 300 %.

The WPC can be paired to any WhisperPower Genverter® AC generator using the generator input. The AC outputs can then be connected in parallel allowing the generator power or mains connection to be supplemented with the power from the inverter!

The WPC units can also be used without a generator, operating as the main AC power supply in case mains or generator power is available.

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Key Functions

- Combined high class Sine Wave Inverter and battery charger
- AC Genset and grid power input, high/low power AC output
- Seamless integration with WhisperPower or other AC gensets
- Automatic seamless transfer to the active AC consumers in the output
- Parallel (stacking) to increase AC output power up to 9 units
- Paralleling to obtain three phase power (3 x 380 VAC 50 Hz)
- Power support modus, parallel-to-grid to reinforce weak grid power

Smart System Features

- The WPC will boost the AC inverter power in case of limited land / genset power
- Power Sharing: Battery charging will be automatically reduced when AC load rises
- In addition the WPC's inverter will boost the output of the generator or land power supply by using power from the battery
- In case of land power "only" and low battery, the WhisperPower generator will start automatically to avoid severe battery discharge





Advanced Parallel Functions

- Up to nine WPC's can operate in parallel to achieve higher power output
- Three phase or split phase operation is also possible
- Available for both European and American voltage / frequency

Advanced Touch Panel

Advanced WhisperTouch 7 inch Monitor and Control panel for local read-out (LAN) or remotely via the internet from anywhere in the world, using WhisperCare. Access can be from a phone, tablet, laptop or PC for multiple operating systems. Total system control including battery monitoring, WhisperPower generator control, etc. See page 122 for more information.

WPC WhisperPower Center inverter battery charger
24 VDC - 3500 W - 90 A

Double AC input:
Genset and public mains/
land power

230 VAC Distribution

High Power 9 kW output
230 VAC - 50 Hz

230 VAC Distribution

3.5 kW Inverter output (9 kW peak)
230 VAC - 50 Hz

5 YEARS WARRANTY

Two AC inputs & two AC outputs

- The WPC can be connected to two independent AC sources, for example land power and an AC generator. The WPC will automatically connect to the active source
- The main (inverter) output has a seamless, no-break functionality. In the event of land power disconnect or mains failure, the WPC takes over the power provision to the connected loads. Computers and other electronic equipment will continue to operate without interruption
- 2nd high power output is activated when land power/ genset power is available
- WPC includes automatic start / stop function based on low battery, can be activated through the touch panel



WhisperPower Center (Single Input) Series

	12 VDC 2000 VA *)	12 VDC 3000 VA	24 VDC 3500 VA *)	24 VDC 5000 VA	48 VDC 4000 VA *)	48 VDC 6000 VA	48 VDC 8000 VA
Article Number	60201301***)	60201315	60201302***)	60201006***)	60201303***)	60201317	60201004
TECHNICAL SPECIFICATIONS							
Nominal battery voltage	12 VDC	12 VDC	24 VDC	24 VDC	48 VDC	48 VDC	48 VDC
Input voltage range	9.5 - 17 VDC	9.5 - 17 VDC	19 - 34 VDC	19 - 34 VDC	38 - 68 VDC	38 - 68 VDC	38 - 68 VDC
Continuous power at 25°C	2000 VA	2500 VA	3000 VA	4500 VA	3500 VA	5000 VA	7000 VA
Power 30 minutes at 25°C	2000 VA	3000 VA	3500 VA	5000 VA	4000 VA	6000 VA	8000 VA
Power 5 seconds at 25°C	3x Pcont.	3x Pcont.	3x Pcont.	12 kVA	15 kVA	15 kVA	21 kVA
Maximum load	Fully protected up to short circuit						
Maximum asymmetric load	Up to continuous power						
Cos phi	0.1 - 1	0.1 - 1	0.1 - 1	0.1 - 1	0.1 - 1	0.1 - 1	0.1 - 1
Maximum efficiency	93 %	93 %	94 %	94 %	96 %	96 %	96 %
Consumption OFF / standby / ON	1.4 / 1.6 / 9 W	1.8 / 2.1 / 14 W	1.4 / 1.6 / 12 W	1.8 / 2.1 / 14 W	1.8 / 2.1 / 14 W	1.8 / 2.1 / 22 W	1.8 / 2.1 / 30 W
Output voltage	Pure sine wave 230 VAC (±2 %) - 120 VAC / 60 Hz available as well						
Output frequency	50 Hz ± 0.05 % (crystal controlled; adjustable to 60 Hz)						
Harmonic distortion (sine)	< 2 % THD	< 2 % THD	< 2 % THD	< 2 % THD	< 2 % THD	< 2 % THD	< 2 % THD
Overload protection and short circuit	Switches itself off after 3 start attempts						
Overheating protection	Warning, followed by shutdown and automatic restart						
BATTERY CHARGER							
Charge characteristics	Multi-step: bulk-absorption-float, Suitable for all types of batteries						
Maximum charger current	100 A	160 A	90 A	140 A	50 A	100 A	120 A
Temperature Compensation	With WhisperPower temperature sensor WPC-BTS						
Power factor correction	61000 - 3 - 2	61000 - 3 - 2	61000 - 3 - 2	61000 - 3 - 2	61000 - 3 - 2	61000 - 3 - 2	61000 - 3 - 2
GENERAL SPECIFICATIONS							
Input voltage range	184 - 250 VAC	184 - 250 VAC	184 - 250 VAC	184 - 250 VAC	184 - 250 VAC	150 - 250 VAC	184 - 250 VAC
Input frequency	50 / 60 Hz (45 / 65 Hz)	50 / 60 Hz (45 / 65 Hz)	50 / 60 Hz (45 / 65 Hz)	50 - 60 Hz (45 - 65 Hz)	50 / 60 Hz (45 / 65 Hz)	50 / 60 Hz (45 / 65 Hz)	50 / 60 Hz (45 / 65 Hz)
Max. input current (switching relay)/ Max. output current	30 A / 50 A	50 A / 56 A	30 A / 45 A	50 A / 56 A	30 A / 47 A	50 A / 56 A	50 A / 80 A
Transfer time	< 15 ms	< 15 ms	< 15 ms	< 15 ms	< 15 ms	< 15 ms	< 15 ms
Weight	25 kg	34 kg	28 kg	40 kg	28 kg	42 kg	46 kg
Dimensions (W x D x H) in mm	326 x 144 x 540	300 x 230 x 497	326 x 144 x 540	300 x 230 x 497	326 x 144 x 540	500 x 300 x 230	300 x 230 x 497
International Protection rating	IP21	IP21	IP21	IP21	IP21	IP21	IP21
Colour	RAL 9003	RAL 9003	RAL 9003	RAL 9003	RAL 9003	RAL 9003	RAL 9003
Conforms to	EMC Directive 2004/108/EC : EN 61000-6-1, EN 61000-6-3,						
Operating temperature range	-20 up to 40°C (power reduction 40 to 55°C)						
Relative humidity (during operation)	95 %, non-condensing						
Cooling	Temp. controlled fan above 45°C						
Noise level	< 40 dB / < 45 dB (without / with cooling)						
Warranty	5 years						

WhisperPower Center (Dual Input) Series

12 VDC 2000 VA	24 VDC 3500 VA	48 VDC 4000 VA
60201001 *)	60201002 *)	60201003 *)
100 A - 230 VAC	90 A - 230 VAC	50 A - 230 VAC
50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Dual AC input / output	Dual AC input / output	Dual AC input / output

*) Designed for use with Whisper Piccolo / SQ / Genverter®, dual input - also available with single input

***) Also available as 120 VAC 60 Hz models (single input only)

Important Accessories / Related Products



ART. NR. 60201032
WPC
Communication Cable 15m



ART. NR. 60201082
WPC-BSI 500
Battery Status Interface



ART. NR. 60201084
WPC-RS232-i Data Logger Module
with SD memory card



ART. NR. 60201021
WPC
Slave Charger 24 VDC | 5 A



ART. NR. 40280101
WhisperTouch 7 inch screen

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Plug and Play

- Auto start stop connection (see also WPC – BSI)
- Connection for Temperature Sensor (to be put on battery)
- WPC Bus interface connection to WhisperTouch
- Connection for RS 232 Data Logger Module

Easy to install

- As standard supplied with 2 metre of marine grade DC cables
- Hard wiring connection of all AC & DC connections
- Optional plug-in slave charger of 5 A, three step
- External holes for wall mounting

Safety first

- Galvanic input to output separation
- Earth stud
- Completely protected against overload and over-temperature



AC output
DC input > Connection
Gen/Grid/Inv. Compartment



WPC-Dimensions

