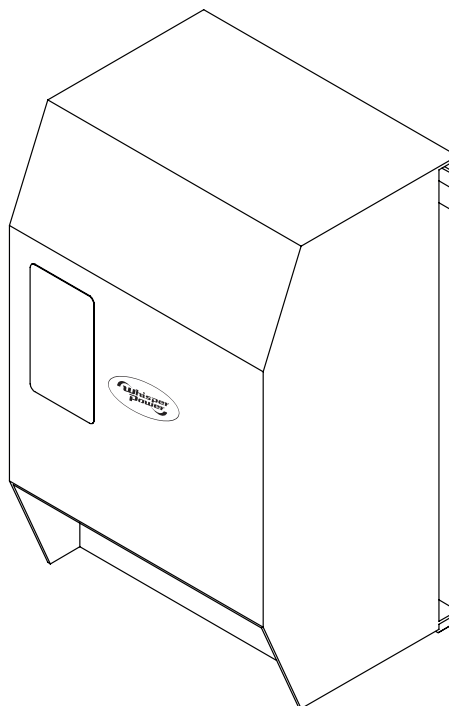
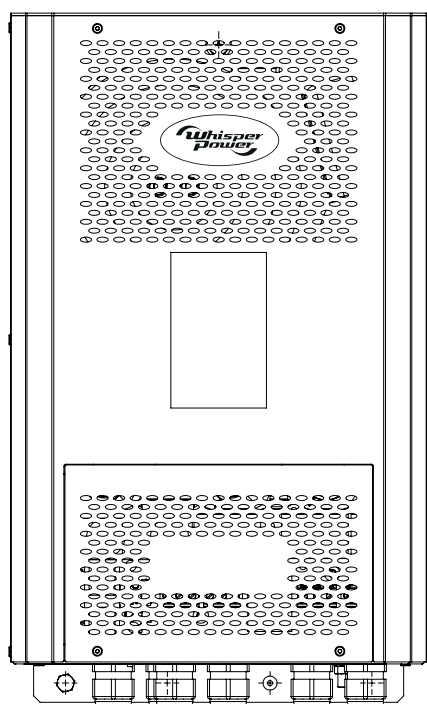




WhisperPower Center WPC System Combi

2000VA 12VDC | 3000VA 12VDC | 3500VA 24VDC | 5000VA 24VDC | 4000VA 48VDC | 8000VA 48VDC



Features and Benefits

- Combined high class sine wave inverter and battery charger
- AC Genset and grid power input, high/low power AC output
- Seamless integration with WhisperPower 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 (3x380 V 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 shore / genset power
- Battery charging will automatically be reduced Power Sharing
- In addition the WPC's inverter will boost the output of the generator or shore power supply by using power from the battery
- In case of shore power "only" and low battery, the WhisperPower generator will start automatically to avoid severe battery discharge

Advanced parallel functions

- Up to 9 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

Two AC Inputs & two AC Outputs

- The WPC can be connected to two independent AC sources, for example shore 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 shore 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 shore power/ genset power is available.
- WPC includes automatic start/stop function based on low battery, can be activated through the Touch panel.



WhisperPower Center WPC System Combi

Application Data 1

	WPC-2000-12*	WPC-3000-12**	WPC-3500-24*	WPC-5000-24**	WPC-4000-48*	WPC-8000-48
Article Nr.	60201001	60201315	60201002	60201006	60201003	60201004
INVERTER						
Nominal battery voltage	12 VDC	12 VDC	24 VDC	24 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
Continuous power at 25°C	2000 VA	2500 VA	3000 VA	4500 VA	3500 VA	7000 VA
Power 30 min at 25°C	2000 VA	3000 VA	3500 VA	5000 VA	4000 VA	8000 VA
Power 5 s at 25°C	3 x Pcont.	3 x Pcont.	3 x Pcont.	12kVA	15KVA	21KVA
Maximum load	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
Maximum efficiency	93%	93%	94%	94%	96%	96%
Consumption off / standby / on	1.4W / 1.6W / 9W	1.8W / 2.1W / 14W	1.4W / 1.6W / 12 W	1.8 W / 2.1W / 14W	1.8 W / 2.1W / 14W	1.8 W / 2.4W / 30W
Output voltage	Pure sine wave 230 V (±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
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	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
GENERAL SPECIFICATIONS						
Input voltage range	184 .. 250 V	184 .. 250 V	184 .. 250 V	184 .. 250 V	184 .. 250 V	184 .. 250 V
Input frequency	45 .. 65Hz	45 .. 65Hz	45 .. 65Hz	45 .. 65Hz	45 .. 65Hz	45 .. 65Hz
Max. input current (switching relay) / maximum output current	30 A/50 A	50 A/56 A	30 A/45 A	50 A/56 A	30 A/47 A	50 Aac / 80 Aac
Transfer time	<15ms	<15ms	<15ms	<15ms	<15ms	<15ms
Weight	25 kg	34 kg	28 kg	40 kg	28 kg	46 kg
Dimensions w x d x h (mm)	540 x 326 x 144	500 x 300 x 230	540 x 326 x 144	500 x 300 x 230	540 x 326 x 144	500 x 300 x 230
International Protection rating	IP21	IP21	IP21	IP21	IP21	IP21
Colour	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 .. 40°C (power reduction 40 .. 55°C)					
Relative humidity (during operation)	95 %, non-condensing					
Cooling	Temp. controlled fan above 45°C					
Noise level	<40dB / <45dB (without / with cooling)					
Warranty	2 years, 5 years as part of complete system					

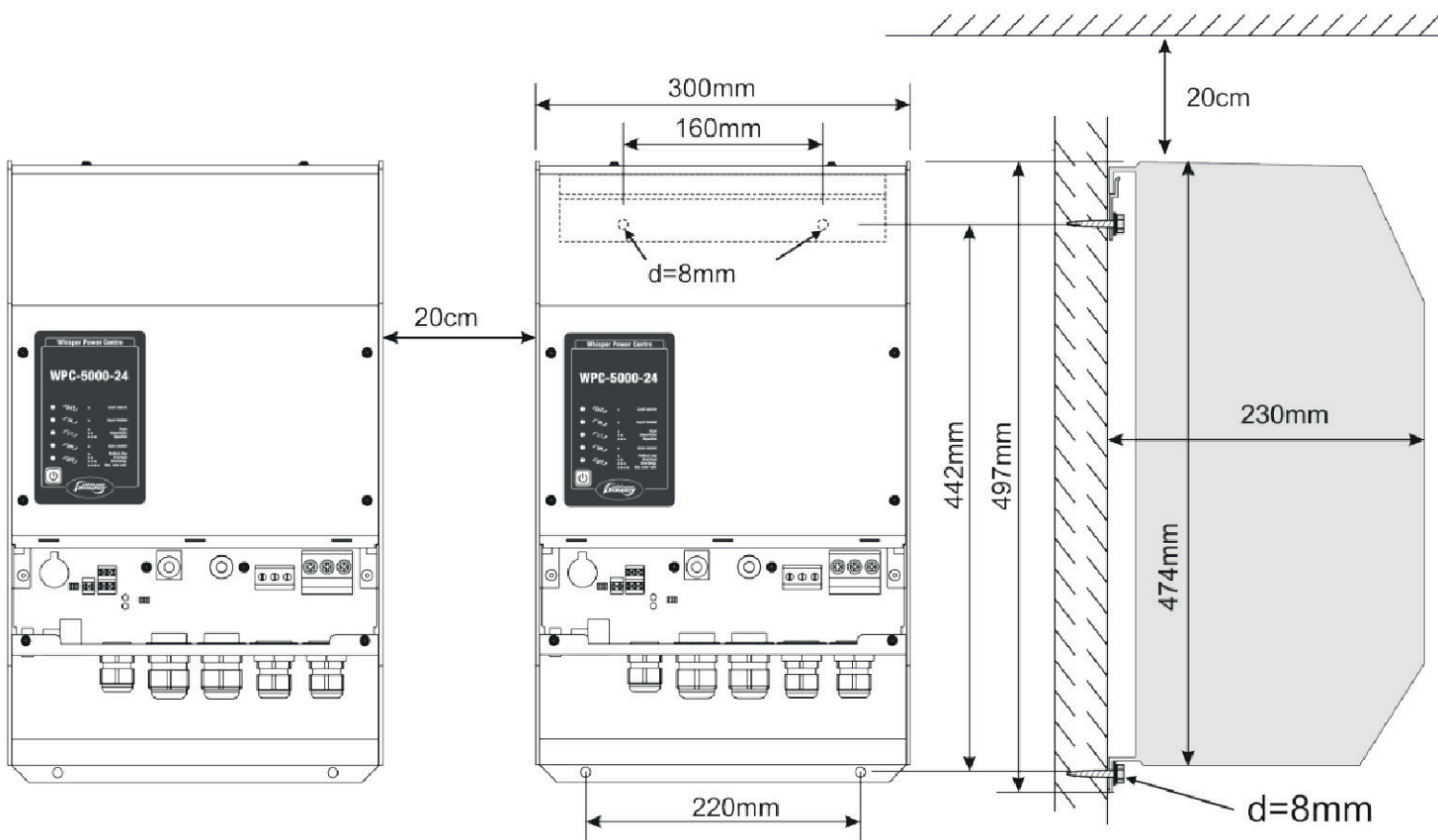
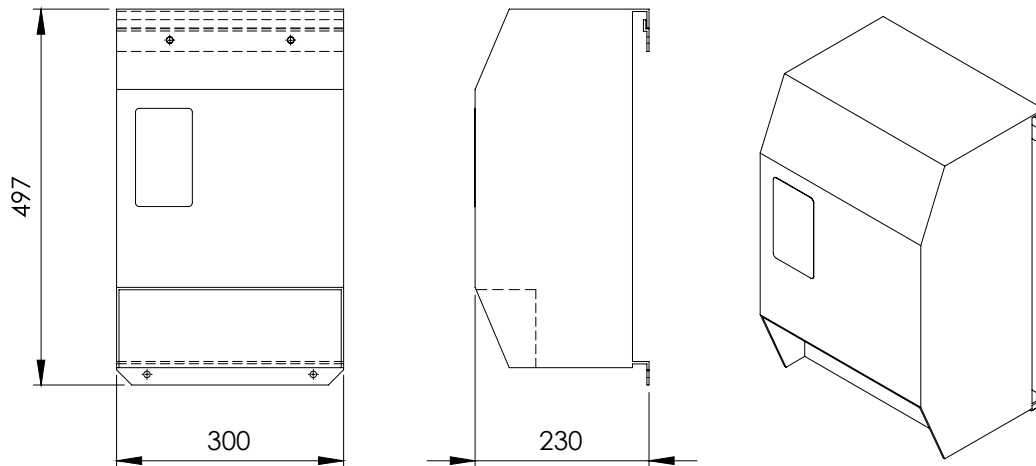
*) Designed for use with Whisper Piccolo / SQ / Genverter, dual input - also available with single input.

**) Single AC input and dual AC outputs.



WhisperPower Center WPC System Combi

Application Data 2 | WPC 3000 | WPC 5000 | WPC 8000





WhisperPower Center WPC System Combi

Application Data 3 | WPC 2000 | WPC 3500 | WPC 4000

