

# WP-Combi Series 'Power to Go'

Recreational vehicles • Caravans • Pleasure craft • Holiday homes

Sine wave inverter/ battery charger • '230 VAC from the battery'



Datasheet



**WP-Combi-12/2000-80 • WP-Combi-24/3000-60 • WP-Combi-48/3000-30**

Silent AC power, whenever you need it.  
Without a generator! Integrated battery  
charger to recharge the battery.

- Up to 3 kW 230 VAC/ 50 Hz power,
- Silent and clean operation
- Ideal to operate with solar and wind systems
- Automatic switching from shore/ land power to inverter power
- Fully automatic 3-stage battery charging
- Adjustable to work with limited land or genset power
- Available for 12, 24 and 48 VDC batteries



smart energy solutions



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| Model  | WP- COMBI<br>12/2000-80<br>Art. nr. 61112280   | WP- COMBI<br>24/3000-60<br>Art. nr. 61124360 | WP- COMBI<br>48/3000-30<br>Art. nr. 61148330 |
|--|--|--|--|
| Inverter   | True Sine wave   |  |  |
| Nominal battery voltage                                | 12VDC  | 24VDC  | 48VDC  |
| Input voltage range                                    | 10..16VDC  | 20..35VDC                                    | 40..65VDC                                    |
| Power 30 min. @ 25°C                                   | 2000VA   | 3000VA                                       | 3000VA                                       |
| Continuous Power @ 40°C                                | 1800VA   | 2600VA                                       | 2600VA                                       |
| Power 1 min. @ 25°C                                    | 2500VA   | 3300VA                                       | 3300VA                                       |
| Power 20 sec. @ 25°C                                   | 3000VA   | 4500VA                                       | 4500VA                                       |
| Maximum load   | fully protected up to short circuit  |  |  |
| Maximum a-symmetric load                               | 1000VA   | 1500VA                                       | 2000VA                                       |
| Load detection (standby)                               | >80VA  | >80VA  | >80VA  |
| Power factor   | up to 1  | up to 1                                      | up to 1                                      |
| Efficiency (@ full load)                               | 88%  | 88%  | 88%  |
| Zero load power  | <10W   | <15W   | <15W   |
| Standby power (load search)                            | <5W  | <5W  | <5W  |
| Output voltage   | 230VAC +/- 3%  |  |  |
| Output frequency                                       | 50Hz +/- 0.5%  |  |  |
| Harmonic distortion (voltage)                          | THD <3%  |  |  |
| Overload and short-circuit protection                  | auto disconnect after 3 start attempts   |  |  |
| Overheat protection                                    | yes  |  |  |
| Charge characteristic                                  | IUU Multi step   |  |  |
| Charge voltage - bulk                                  | 14.25 VDC  | 28.5 VDC                                     | 57.0 VDC                                     |
| Charge voltage - absorption                            | 14.25 VDC  | 28.5 VDC                                     | 57.0 VDC                                     |
| Charge voltage - float                                 | 13.6 VDC   | 26.5 VDC                                     | 53.0 VDC                                     |
| Equalizing voltage (for 30 minutes)                    | 15.5 VDC   | 31.0 VDC                                     | 62.0 VDC                                     |
| Maximum charging current                               | Max. 80A (adjustable)  | Max. 60 A (adjustable)                       | Max. 30 A (adjustable)                       |
| Temperature compensation                               | -24mV/°C (by external temperature sensor)  | -48mV/°C (by external temperature sensor)    | -96mV/°C (by external temperature sensor)    |
| Power factor correction                                | yes  |  |  |
| Operating modes (front accessible)                     | On / Off / Charger only  |  |  |
| Local user interface                                   | State of load, state of charge, inverter on/off, charger only mode, AC present, current control, charger settings (capacity, battery type, low voltage detection settings, operation mode) |  |  |
| Remote panel (RJ12)                                    | State of load, state of charge, inverter on/off, AC present  |  |  |
| Input voltage range                                    | 196..265VAC (UPS mode) 170..265VAC (GEN mode)  |  |  |
| Input frequency range                                  | 45..65Hz (UPS mode) 40..70Hz (GEN mode)  |  |  |
| Input current max                                      | 30A (protected by internal circuit breaker)  |  |  |
| Charging input current (max charging current @ 230Vac) | 4.5A (adjustable with the knob on the front)   | 6.6A (adjustable with the knob on the front) | 8.4A (adjustable with the knob on the front) |
| Transfer time  | 10..15 ms (UPS mode) 2sec (GEN mode)   |  |  |
| Weight   | 18.5 kg  | 22.5 kg                                      | 22.5 kg                                      |
| Dimensions   | 458 x 218 x 190  |  |  |
| Protection degree                                      | IP21   |  |  |
| Color  | RAL 7016, RAL 2004, RAL 7048   |  |  |
| Conformity   | EN60950-1, UL950, EN55022, CE marking  |  |  |
| Operating temperature range                            | -10..40°C (derating from 40 to 65°C)   |  |  |
| Storage temperature                                    | -40..70°C  |  |  |
| Relative humidity (operational)                        | 0%-95%, non-condensing   |  |  |
| Ventilation  | Forced air   |  |  |
| Warranty   | 1 year   |  |  |
| Battery connector                                      | Two M6 screws  |  |  |
| AC connectors  | M3 screw terminal blocks   |  |  |

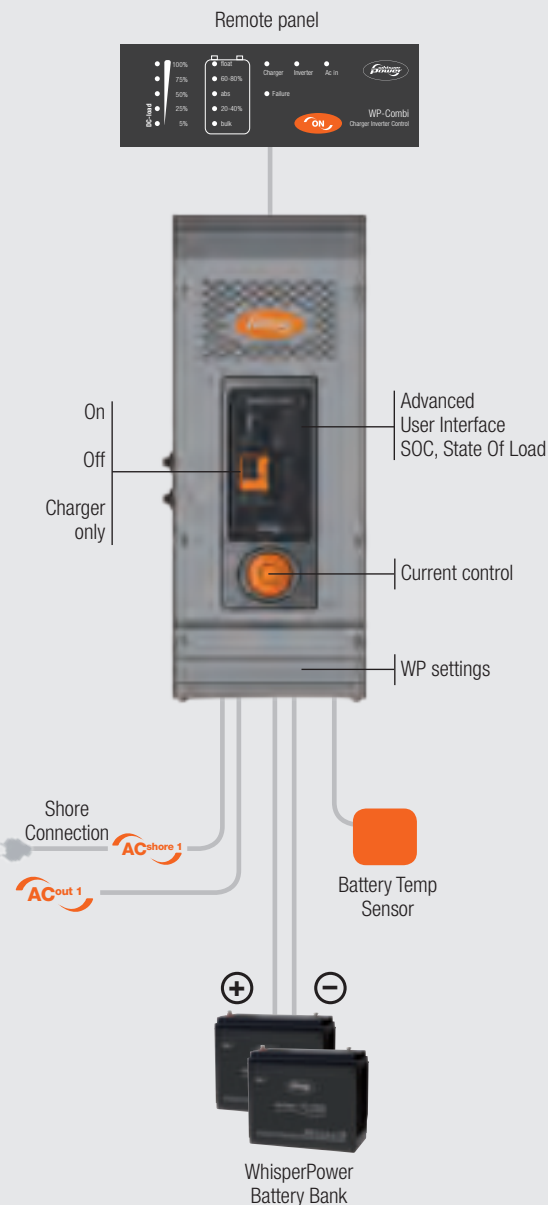
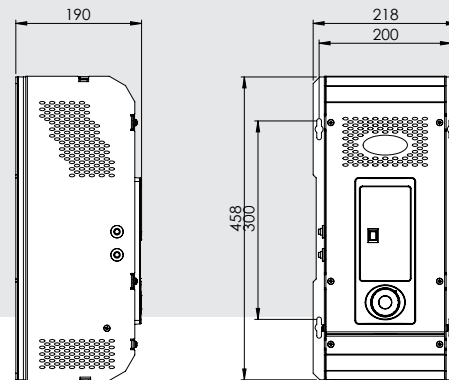


Table top or wall mounting



### WP-Combi Accessoires

| Art. Nr. | Item                  |
|----------|-----------------------|
| 61112050 | Remote Panel WP-Combi |