



The Powersine Combi 1600W-1800W (12V/24V) products are based on the latest generation Powersine inverter engine, which guarantees very reliable operation and huge output power reserves. The Powersine Combi also features a powerful intelligent battery charger and an ultra fast AC transfer switch. All this is combined in a very compact, yet installer friendly unit.

The Powersine Combi offers many innovative features like AC Input Power Boost, which temporarily assists weak AC input sources when more power is needed than available. Another feature is AC Input Current Limit, which limits the maximum current consumed from the AC input source by the Powersine Combi in charger mode

Furthermore, the Powersine Combi is equipped with a TBSLink port to connect to a remote control or to a Windows device running TBS Dashboard, for easy step by step configuration and readout.

Also available are a fully configurable alarm relay output and a unique trigger input, that can convert external trigger commands into a number of Powersine Combi status changes.
(please contact support@power-store.com)

Each Powersine / Combi comes standard with DC cables, a temperature sensor and a very clear installation and operating instruction manual.

Features:

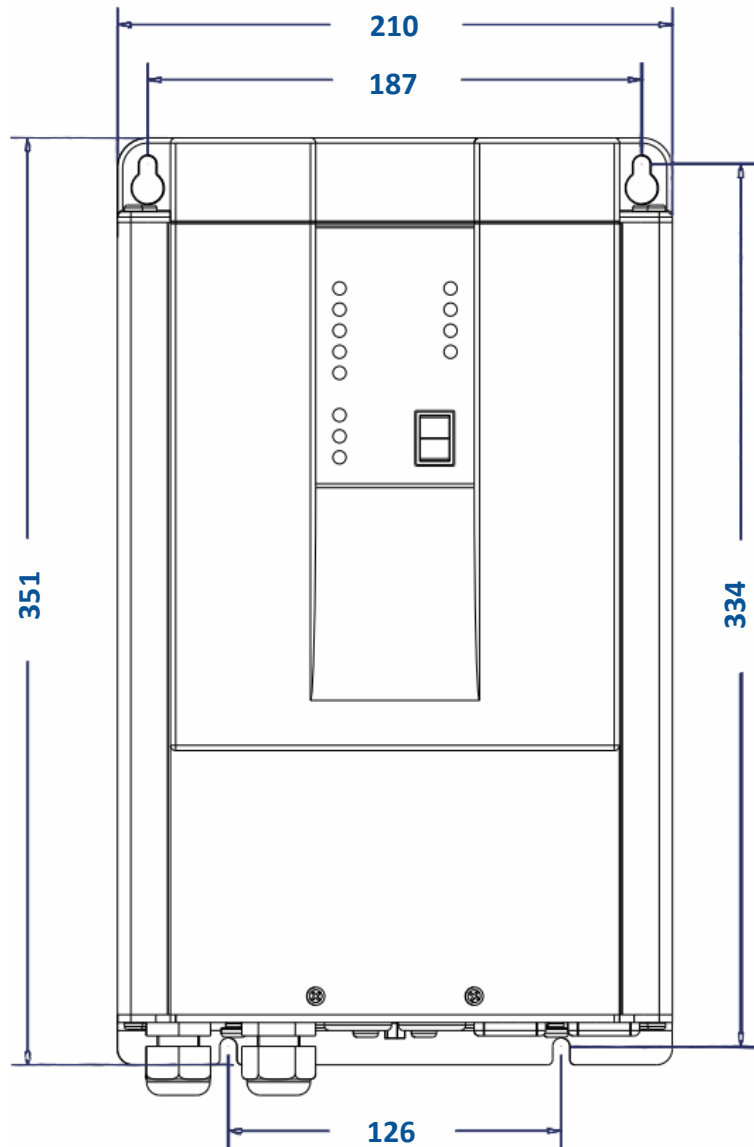
- True sine wave AC output
- Robust industrial design
- High surge power output
- Powerful 4-stage battery charger
- Power factor corrected AC input
- Fast AC transfer switch
- AC input power boost
- AC input current limit
- Protected against high/low battery voltage, high temperature, overload, short circuit, high ripple voltage and low AC input voltage
- Automatic standby function to reduce no-load power consumption
- CE Certified
- 24 month warranty

Applications:

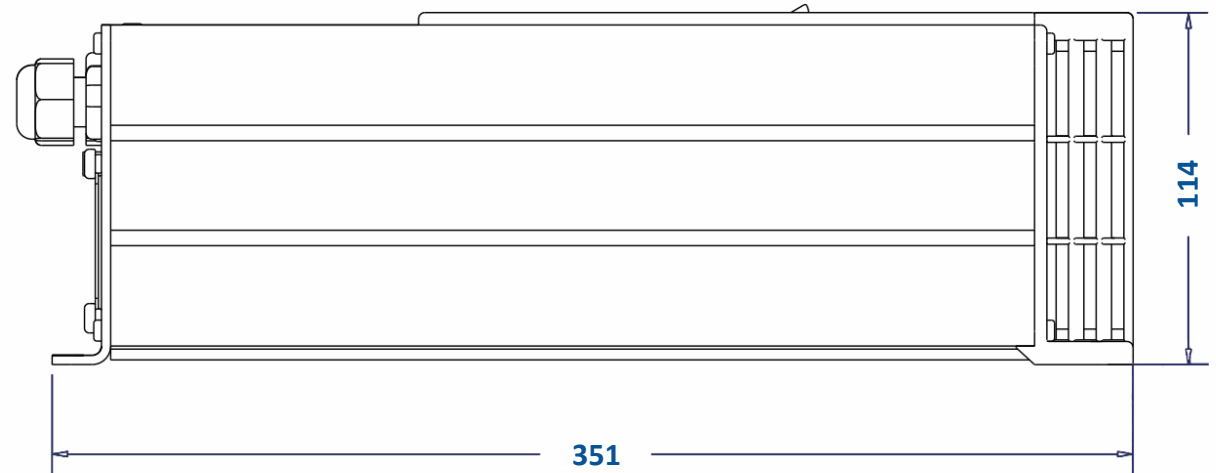
- Recreational vehicles
- Marine applications
- Solar power systems
- Industrial systems
- Mobile entertainment systems
- Service vehicles
- Remote homes

Product	1600W - 12V - 60A	1800W - 24V - 35A
PN	30-2006	30-2008
Inverter Stage		
Output Power¹		
P _{nom}	1300W	1400W
P _{10minuted}	1600W	1800W
P _{surge}	2500W	3000W
Output voltage/ frequency	230Vac ± 2% / 50Hz or 60Hz ± 0.05%	
Output waveform	True sinewave (THD < 5% @ P _{nom})	
Input Voltage (±3% tolerance)		
Nominal	12Vdc	24Vdc
Range	10.0 ² – 16.5Vdc	20.0 ² – 33.0Vdc
Maximum efficiency	92%	94%
No load power consumption [ASB]	<10W [2.0W]	<12W [2.0W]
Charger state		
AC input voltage	185 - 270Vac / 45 - 65Hz / PF > 0.95	
Maximum continuous charging current	60A	35A
Standard charge voltage (bulk / float @ 25°C)	14.3V / 13.3V (programmable)	28.6V / 26.6V (programmable)
Charge algorithm	IUoUoP, intelligent 4-stage, temperature compensated (programmable)	
AC transfer switch		
Maximum continuous current	16Arms	
Transfer time (typical)	0ms (inverter → mains) / < 5ms (mains → inverter)	
General		
TBSLink enabled	Yes	
Protections	high/low battery voltage, high temperature, overload, short circuit, high ripple voltage and low AC input voltage	
DC Connections	Two wires, length 1.5 meters, 35mm	
AC Connections	Screw terminals	
Enclosure body size	351 x 210 x 114mm	
Total weight	10.7 kg	
Protection class / operating temp. / storage temp	IP21 / -20°C to + 50°C / -40°C to + 80°C (humidity max. 95% non condensing)	
Standards	CE marked meeting EMC directive 2004/108/EC and LVD 2006/95/EC complying with EN60335-1, EN60335-2-29 and RoHS 2002/95/EC	

Front view



Side view



Bottom view

