



This range of professional DC to AC true sinewave inverters, offer superior performance for a wide range of applications. Unlike many other inverters, the very clean and interference free output of a Powersine inverter ensures correct operation of sensitive equipment like displays, test equipment and battery chargers

The very robust electronic and mechanical design, make the Powersine inverter series the best choice for reliability. Designed for an extremely long lifespan and protected against short circuits, overloading and high temperatures, a Powersine inverter will deliver trouble free operation for many years.

The newest available technology results in extremely efficient operation with very low 'no-load' consumption. The Automatic Standby Function (ASB), standard in all Powersine inverters, will even reduce the no-load consumption by an extra 70%!

All Powersine inverters are easy to install and operate. Each Powersine inverter comes standard with DC cables, and a very clear installation and operating instruction manual.

Features:

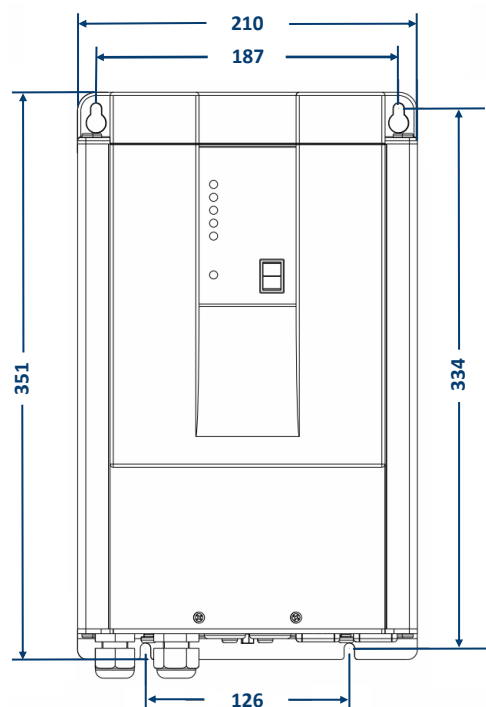
- True Sinewave AC output
- Robust industrial design
- High surge power output
- Protected against high/low battery voltage, high temperature, overload, short circuit and high ripple voltage
- Automatic Standby function to reduce no-load power consumption
- Variable speed fan for silent operation
- Remote on/off capability
- Alarm relay
- Remote control capability via TBSlink
- Easy to access connection bay for installing AC-, DC and control wiring
- CE Certified
- 1.5 meters DC connection cable included
- 24 month warranty
- Very efficient

Applications:

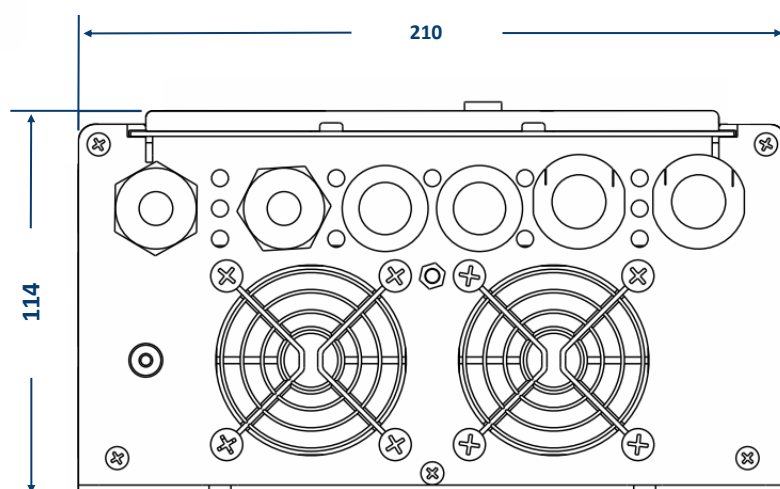
- Recreational vehicles
- Marine applications
- Solar power systems
- Industrial systems
- Mobile entertainment systems
- Service vehicles
- Remote homes

Specifications:

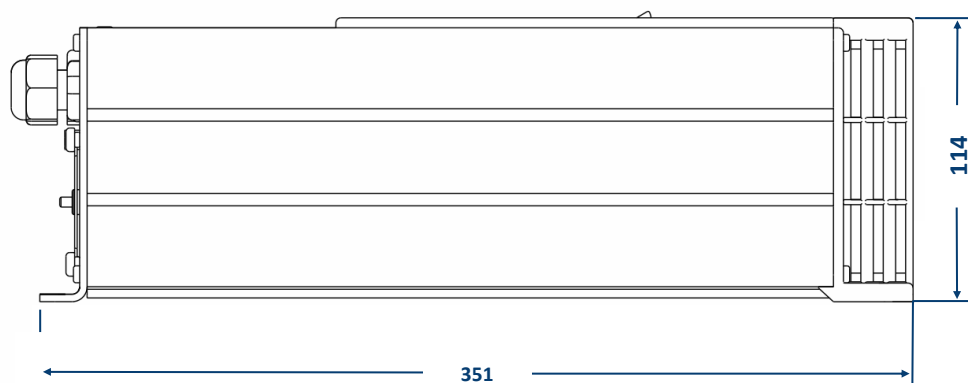
PN	30-3014	30-3016	30-3018	30-1020	30-1034
Specification	1000w - 12v	1400w - 12v	1600w - 12v	1800w - 24v	1800w - 48v
Output Power ¹					
P _{nom}	850w	1000w	1300w	1400w	1400w
P _{10minutes}	1050w	1450w	1600w	1800w	1800w
P _{surge}	2000w	2800w	2500w	3000w	3000w
Output voltage	230Vac ± 2%				
Output frequency	50Hz or 60Hz ± 0.05%				
Output Waveform	True sinewave (THD < 5% @ P _{nom})				
Allowed cos ϕ of load	0.2 – 1 (up to P _{nom})				
Input voltage (±3% tolerance) :					
Nominal	12Vdc	24Vdc	12Vdc	24Vdc	48Vdc
Range	10.5 ² - 16Vdc	21 ² - 32Vdc	10.5 ² - 16Vdc	21 ² - 32Vdc	41 ² - 60Vdc
Maximum efficiency	92%	92%	92%	92%	94%
No load power consumption ³ [ASB]	<9.6W [2.5w]	<12W [3.5w]	<9.6W [2.5w]	<12W [3.5w]	<12W [4.7w]
ASB threshold	P _{out} =10W				
Operating temperature range (ambient)	-20°C ... +50°C (humidity max. 95% non condensing)				
Storage temperature range	-40°C ... +80°C (humidity max. 95% non condensing)				
cooling	Variable speed fan controlled by temperature and load				
TBSLink enabled	Yes				
Protected against	Short circuit, overload, high temperature, AC back feed, high/low battery voltage and high input ripple voltage				
Indications	Power on, output power bar, error and ASB mode				
DC input connections (cable length 1.5m)	2 x 25mm ²		2 x 35mm ²		2 x 25mm ²
AC output connections	Screw terminal				
Enclosure body size	351 x 210 x 114mm				
Total weight	10.2 kg		10.5 kg		
Protection class	IP21 (mounted in upright position)				
Standards	CE marked meeting EMC directive 2004/108/EC and LVD 2006/95/EC complying with EN60335-1, RoHS 2002/95/EC				



Front view



Bottom view



Side view