PowerSine PRO Inverters 1000W – 1800W (12V/24V)

E-Mark certification pending,
expected certification date May 1st 2019

PowerSine PRO are designed specifically for mission critical applications where lives and livelihoods depend on power.

Designed & manufactured in Europe, PowerSine PRO inverters are built with leading brand components to provide a superlative inverter that out-performs all others and last years in every-day applications. PowerSine PRO inverters are the only range to carry a full 3 year warranty extendable to 5 years.

PowerSine PRO utilises hybrid power conversion technology to provide significant benefits over low-cost, leisure style switch-mode inverters:

- Significantly improved reliability
- Ability to provide greater than their rated output for lengthier periods of time as well as deliver much higher surge currents
- Withstands inductive AC loads without inverter damage
- Highly resistant to AC Back-feed & AC Short-Circuit
- Ability to provide continuous high output in high ambient temps

PowerSine PRO is highly configurable. Using simple windows based software, an internal relay can be set-up to activate external devices (such as an automatic generator start facility) when any internal alarm is triggered. Various set points and Configurable Neutral/Earth Bonding ensures that you are able to conform to 18th Edition wiring regulations. Automotive e-mark also ensures legal fitting aboard road-going vehicles.

Universal Remote Control

Basic Remote Control

Merlin Equipment Limited, Clyst Court, Hill Barton Business Park, Exeter, EX5 1SA United Kingdom

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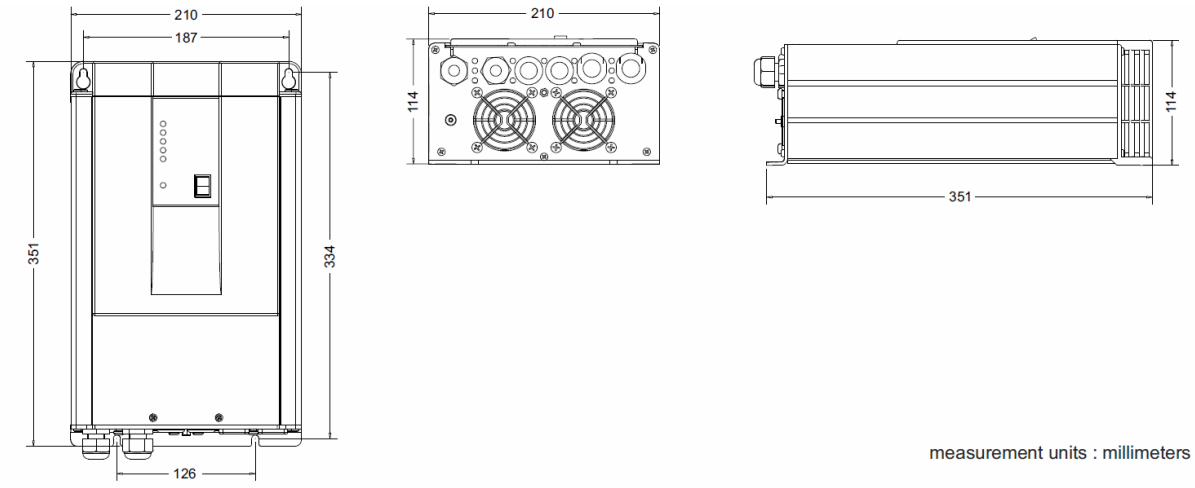
PART #	30-3014	30-1018	30-1016	30-1020
PARAMETER	PS1000-12	PS1600-12	PS1400-24	PS1800-24
OUTPUT POWER PNOM	850W	1300W	1000W	1400W
P10MINUTES	1050W	1600W	1450W	1800W
PSURGE	2000W	2500W	2800W	3000W
OUTPUT VOLTAGE	230Vac ± 2%			
OUTPUT FREQUENCY	50Hz or 60Hz ± 0.05%			
OUTPUT WAVEFORM	True sinewave (THD < 5%1) @ Pnom)			
ALLOWED COS ϕ OF LOAD	0.2 – 1 (up to Pnom)			
INPUT VOLTAGE (±3% TOLERANCE) : NOMINAL	12Vdc	12Vdc	24Vdc	24Vdc
RANGE	10.52 – 16Vdc	10.5 - 16Vdc	21 – 32Vdc	21 - 32Vdc
MAXIMUM EFFICIENCY	92%	92%	92%	92%
NO LOAD POWER CONSUMPTION [ASB]	<9.6W [2.5W]	<9.6W [2.5W]	<12W [3.5W]	<12W [3.5W]
ASB THRESHOLD	Pout=10W			
OPERATING TEMPERATURE (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			
TSB LINK ENABLED	YES	YES	YES	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 25mm²	2 x 35mm²	2 x 25mm²	2 x 35mm²
AC OUTPUT CONNECTIONS	Screw terminals			
ENCLOSED BODY SIZE	351 x 210 x 114mm			
TOTAL WEIGHT	10.2 kg	10.5 kg	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			



measurement units : millimeters

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