

PBSP Piccolo Series

150-250WATT DC/AC INVERTER

Features

- Dynamic battery low voltage control
- Intelligent overload current
- Short circuit protection
- Efficiency 90%
- Total harmonic distortion <1.2%
- 12 or 24 volt inputs
- Isolated output



Specifications

INPUT

Nominal input voltage	PBSP-12R: 12V PBSP-24S: 24V
Input voltage range	PBSP-12R: 10.5–16VDC PBSP-24S: 21–32VDC
No load power draw	PBSP-12R: <2VA (240V typ.) PBSP-24S <2.5VA

OUTPUT

Voltage	230VAC \pm 5%
Frequency	50Hz \pm 0.5%
Waveform	True sinewave <4% THD
Rated power @ 30°C ambient	PBSP-12R – 150VA PBSP-24S – 250VA
Overload capability	Max. 250%

OPERATING

Peak efficiency	90%
-----------------	-----

STANDARDS AND APPROVALS

Toroidal transformer	IEC742
C-tick	AS/NZS CISPR14, AS/NZS 1044
EMC standards	Complies to CE rules

ENVIRONMENTAL

Temperature range	0°C to 50°C, derate above 30°C
Humidity	95% humidity, not condensing

MECHANICAL

AC outlet	3 pin socket
Battery leads	1 metre
Dimensions (HxWxD)	110x75x190mm
Weight	PBSP-12R – 1.8 kg PBSP-24S – 2.5 kg
Chassis	Powder coated aluminium

Selection Table

MODEL NUMBER	DC INPUT	POWER RATING	OVERLOAD
PBSP-12R	10.5–16V	150W	375W
PBSP-24S	21–32V	250W	625W

Technical Illustration

