

PBEP Harmony Series

300-500WATT DC/AC INVERTER

Features

- True sinewave waveform.
- Convenient non-scratch mounting.
- Isolated output.
- ON/OFF switch.
- DC circuit breaker/ BATT isolator switch.



SPECIFICATIONS

INPUT

Voltage	12 and 48Vdc.
Voltage range	12Vdc (10.5-16Vdc). 48Vdc (42-64Vdc).

OUTPUT

Voltage	230Vac \pm 5% (Standard). 110Vac \pm 5% (Option).
Frequency	50Hz \pm 0.05% 60Hz \pm 0.05%
Output waveform	True sinewave < 5% THD.
Power factor correction	All conditions.
Efficiency	93-94%
Solar option	Available on SSP-12-200. Features load detection circuitry and solar regulator. (S model)
LED status indicator	ON status.

GENERAL

AC leads	1.0m.
Battery leads	1.2m. (except SSP-48-450, 1.5m)
Dimensions	174x142x84mm (except PBEP-48-U, 142x252x84mm)
Chassis protection	IP30.

STANDARDS AND APPROVALS

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

ENVIRONMENTAL

Temperature Range	0°C to 50°C, derate above 30°C
Humidity	95% RH, non condensing.
Approx derating	1.5% per °C above 30°C.

Selection Table

MODEL NUMBER	DC INPUT	INPUT RANGE	CONT. RATING	5 MIN RATING	SURGE 5 SEC	PEAK EFF%	WEIGHT
PBEP-12E	12V	10.5-16V	200W	350W	500W	93%	2.4KG
PBEP-48T	48V	42-64V	300W	600W	1000W	94%	2.5KG
PBEP-48U	48V	42-64V	500W	900W	1400W	94%	5.0KG