

# PBSP Everest Series

2000-3800WATT DC/AC INVERTER

## Features

- True sinewave waveform.
- Optional remote shutdown switch.
- Adjustable load detection.
- Extra heavy duty, low loss battery cables.
- Fast and flexible installation.
- Non-corrosive chassis.
- Isolated output.



## Specifications

### INPUT

Voltage	24 and 48Vdc.
Voltage range	24Vdc (21-32Vdc). 48Vdc (42-64Vdc).

### OUTPUT

Voltage	240Vac ±1%.
Frequency	50Hz ±0.07% (24-2K2 & 48-2K4). 50Hz ±0.15% (24-3K0 & 48-3K8).
Output waveform	True sinewave < 2.35% THD (70% load).
Power factor range	0.1-1.0.
Efficiency	94-95%.
Load detection	2-20W.
LED status indicator	AC status, over temp and DC voltage out of range.

### GENERAL

AC output connection	Terminal block on din rail.
Battery leads	1.2meters with 10mm lug.
Enclosure protection	IP20.
Dimensions	456x300x243mm (except SEAP-48-3K8, 510x300x243mm).

### STANDARDS AND APPROVALS

Safety standards	AS3000 wiring.
C-tick	AS/NZS CISPR14, AS/NZS 1044
EMC standards	AS/NZS2064

### ENVIRONMENTAL SPECIFICATIONS

Temperature Range	-25°C to 50°C, derate above 30°C
Humidity	95% RH, non condensing

## Selection Table

MODEL NUMBER	DC INPUT	INPUT RANGE	CONT. RATING	5 MIN RATING	SURGE 5 SEC	PEAK EFF%	WEIGHT
PBSP-24IA	24V	21-32V	2200W	3200W	5000W	94%	25.0KG
PBSP-24Z	24V	21-32V	3000W	4500W	5000W	94%	34.0KG
PBSP-48I	48V	42-64V	2400W	3500W	5000W	94%	24.0KG
PBSP-48Z	48V	42-64V	3800W	5000W	5000W	95%	34.0KG
PBSP-48Z-3P	48V	42-64V	3800W/PH	5000W/PH	10500W/PH	95%	34.0KG (each)

## Technical Illustrations

