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



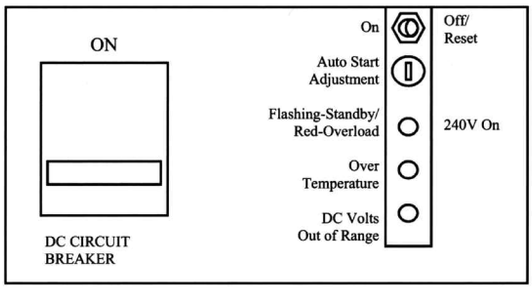
SPECIFICATIONS

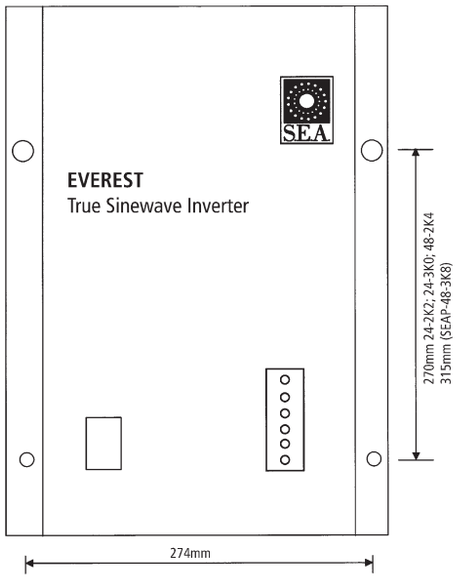
INPUT	
Voltage	24 and 48Vdc.
Voltage range	24Vdc (21-32Vdc). 48Vdc (42-64Vdc).
OUTPUT	
Voltage	240Vac ±1%.
Frequency	50Hz ±0.07% (24-2K2 & 48-2K4). 50Hz ±0.15% (24-3K0 & 48-3K8).
Output waveform	True sinewave < 2.35% THD (70% load).
Power factor range	0.1-1.0.
Efficiency	94-95%.
Load detection	2-20W.
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-24I	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

TECHNICAL ILLUSTRATIONS





powerbox