

PBSP Tempo Series

500-700WATT DC/AC INVERTER

FEATURES

- True sinewave waveform
- Excellent surge power to start motors
- Isolated output
- ON/OFF switch
- Adjustable load detection circuitry
- DC circuit breaker/ BATT isolator switch
- Dual color LED status indicator

SPECIFICATIONS

INPUT

Voltage	12 and 24Vdc.
Voltage range	12Vdc (10.5-16Vdc). 24Vdc (21-32Vdc).

OUTPUT

Voltage	230Vac $\pm 2\%$ (Standard).
Frequency	50Hz $\pm 0.05\%$.
Output waveform	True sinewave < 3% THD.
Power factor correction	All conditions.
Efficiency	94%.
Standby adjustment	4-40 watt Logarithmic.
LED status indicator	AC status.

GENERAL

AC output connection	Double pole switch with 10A GPO.
Battery leads	1.4m 25mm ² flexible cable with 8mm lugs.
Fan control	ON @ 55°C, OFF @ 45°C, or ON if power exceeds 400watts.
Dimensions	275x185x97mm

STANDARDS AND APPROVALS

Safety standards	AS3000 safety, AS/NZS61558-1.2000 Tfx.
C-tick	AS/NZS CISPR14, AS/NZS 1044
EMC standards	AS/NZS2064-1997.

ENVIRONMENTAL

Temperature Range	-25°C to 50°C, derate above 30°C
Humidity	95% RH, non condensing.
Derating	-11.0W per °C (SEAP-12-500)



INVERTERS

SELECTION TABLE

MODEL NUMBER	DC INPUT	INPUT RANGE	CONT. RATING	5 MIN RATING	SURGE 5 SEC	PEAK EFF%	WEIGHT
PBSP-12U	12V	10.5-16V	500W	1100W	1500W	93%	8.0KG
PBSP-24X	24V	21-32V	700W	1300W	2100W	94%	9.5KG

TECHNICAL ILLUSTRATION

