

Omnipower Modified Sinewave Inverter with built-in charger

HT-B- M1000 SERIES

This modified sinewave Inverter with a built-in battery charger is suitable for most loads and provides an economical way to get instant AC power anywhere and at anytime as long as a battery is handy.

The inverter converts a DC power source (e.g. from a car, truck, boat or standard battery; or solar panels) to 230 VAC power. The inverter range is specifically suitable for solar installations. High frequency PWM technology ensures a compact unit providing high reliability and performance.

The inverter has a robust design and is quiet and portable. It can therefore be operated in almost any environment. The unit has a high current start up capability, protected against short circuit, reverse polarity and over load. The Inverter also incorporates a 3 stage PWM battery charger. If AC is present the built-in battery charger will recharge your lead acid or lead calcium battery within a few hours.

The system has a fast and seamless changeover switch and is therefore suitable for automated backup in certain applications.



TECHNICAL SPECIFICATIONS

Model:	HT-B- M1000
<i>Inverter :</i>	
Output Power Continuous	1500VA / 1000W
Max Surge Power	2000W
Output wave form	Modified Sine Wave
AC Input Voltage	230VAC / 50Hz
AC Output Voltage	230VAC / 50Hz
Output Regulation when in Inverter mode	±8%
Fast change over	<10 mSec
DC Nominal Input Voltage	12V
Battery low voltage alarm	YES 11V± 0.5V
Battery low voltage shutdown	YES 10.5V± 0.5V
Battery high voltage shutdown	YES 16V± 0.5V
Efficiency	> 85%
No load current draw	0.6A
Over Temperature protection	55 deg C ± 5 deg C
Overload protection / will try to restart two times, if unsuccessful, inverter will shut down	YES
Output short circuit protection / inverter will shut down	YES
Input reverse polarity protection / fuse protected / fuse will blow *	YES
Resettable output circuit breaker for additional overload protection	YES
Operating Temperature	-10 deg C - +45 deg C
Humidity	20% – 90% non-condensing
<i>Battery Charger:</i>	
Three stage automatic High Frequency Switch Mode Battery Charger	12V /10A
AC Input (AC Input Range)	230VAC / 50Hz (180V – 265V)
Charge Voltage	13.6V±0.5V
Over Load Protection	YES
Over Temperature Protection	YES
Operating Temperature	-10 deg C - +45 deg C
With isolation transformer for additional safety	YES
Recharge time from discharged internal battery in:	Only 8 – 10 Hr
The charger is capable of recharging 1 x internal and 1 x external up to 12V/100Ah battery in:	Only 16 – 20 Hr
<i>Miscellaneous :</i>	
Auto temperature controlled cooling fan	YES
Dimensions W x D x H mm	390×230×450 (980)
Net weight Kg (With packaging)	45 Kg (50Kg)

***Sinetech will not take any responsibility, nor consider a repair under warranty, if the system was incorrectly installed, mishandled, overloaded, exposed to the elements or the battery polarity was reversed.
Please see our Warranty conditions.**

Specifications are subject to change without prior notice. E&OE accepted