

ADVANCE BACKUP SYSTEM



- Micro controller based compact design supported by microchip • Develops gravity faster among its peers
- Zero Volt battery pickup • Intellicharge Management • Boost based multistage charging
- Wide input voltage & frequency range • Multistage software & hardware protection • Noiseless operation
- Temperature management ensures reliability • Resettable CKT breaker peace of mind • ZCT ensure reliability
- Heavy load pickup • Surge protection • Unmatched power delivery • In a Wink changeover
- MPPT Solar Charge Controller Inside • PCU Features Enabled

MPPT HB 1200		
Parameter		Specification
Model	MPPT	MPPT HB 1200
Rating		1100VA
Input Voltage	STD MODE	90-295V AC±10V
Output Voltage on Mains mode	PCU MODE	Same as Input
Output Voltage on UPS mode		220V±12%
Output frequency on UPS mode		50 Hz±0.1 Hz
Changeover		Automatic
Solar Charger controller		MPPT BASED
MPPT Capacity		30AMP
Solar Panel Voltage(Voc)		MAX UPTO 45V DC
Battery Charging Current through Mains	STD MODE	13A ± 3A
Battery Charging Current through Mains	PCU MODE	8A ± 3A
Battery Charging Cut off Voltage through Mains	STD MODE	14.5V ± 0.2V
Battery Charging Cut off Voltage through Mains	PCU MODE	13.6V ± 0.2V
Battery Charging Cut off Voltage through Solar	PCU MODE	14.5V ± 0.2V
Mains Disconnect Voltage	PCU MODE	14V ± 0.2V
Mains Reconnect Voltage	PCU MODE	11.8V ± 0.2V
Charger Topology		CCCV
Running Load		67A ± 2A
Overload		70A ± 2A
Battery Low Alarm		10.8V ± 0.2V DC
Battery Low Shutdown		10.5V ±0.2V DC
Efficiency		>80%
Technology		High End Micro Controller based design
UPS transfer time		<15ms
Auto Reset Feature		Available
Display		Available
Temperature Protection		Available
Operating Temperature		-10°C to 45°C
Gross Weight(Kg)		10KG
Dimensions(L*W*H) in mm		330*380*190MM

Manufactured & Marketed by :

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