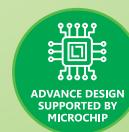


NINE⁹ENERGYTM
CONNECT SOLAR



Environmental Friendly
LFP MPPT 1250
INBUILT LITHIUM-BATTERY



Features

- Micro-controller Based H-Bridge compact design supported by Microchip ensures high reliability & rugged performance.
- MPPT Solar Charge Controller Inside
- PCU Features Enabled
- LiFePO4 Battery bank inside
- USAN BOLT charging with completes charging time of 5-6 hours (Max.)
- Pollution free/ Environment friendly. No issue of acid fumes (Safe for Kids & older people)
- 2000 complete charge discharge cycles No need to replace battery for more than 5 years
- Ready to fit Portable model with handle
- Dynamic controls algorithm based BMS ensure safety of lithium battery from peak current, peak voltage ripple current ripple voltage and safety for temperature rise.
- RCB (Resettable ckt. breaker) peace of mind from hassles of finding fuse in case of excess load more than the capacity of the system is plugged to the system.
- Complete Noiseless Operation
- Exponential time-based overload protection further ensures reliability of the system.

LFP MPPT 1250		
Parameter		Specification
Model	MPPT	MPPT LFP 1250
Capacity		1100VA
Input Voltage	STD MODE/PCU MODE	90-295V AC±10V
Output Voltage on Mains mode		Same as Input
Nominal DC Voltage		12.8VDC(LFP)
Output Voltage on UPS mode		220V±12%
Output frequency on UPS mode		50 Hz±0.1 Hz
Changeover		Automatic
Solar Charge Controller		MPPT BASED
MPPT Capacity		30AMP
Solar Panel Voltage(Voc)		MAX. UPTO 45V DC
Output waveform on mains mode		Same as Input
Output waveform on UPS mode		Modified Square wave
Battery Capacity		775WH/1KWH/1.3KWH
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	12V ± 0.2V
Charger Topology		CCCV
Running Load(Bulb)		775W
Battery Low Alarm		11.2V ± 0.2V DC
Battery Low Shutdown		10.8V ± 0.2V DC
Efficiency		>80%
Technology		High End Micro Controller based design
Auto Reset Feature		Available
Operating Temperature		-10°C to 55°C
Gross Weight(Kg)		19.9KG/20.9KG/21.7KG
Dimensions(L*W*H) in mm		440*340*450MM

Manufactured & Marketed by :

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