

LI-MPPT PCU

INBUILT LITHIUM-BATTERY



VANTOM



LI BATTERY
INSIDE

LI-MPPT PCU

Solar



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Features

- Micro-controller Based H-Bridge compact design supported by Microchip ensures high reliability & rugged performance.
- LiFePO4 Battery bank inside
- USAIN BOLT charging with completes charging time of 5.15-7.30 hours (Max.)
- Power saving charging, charging the battery more efficiently in less time
- Pollution free/ Environment friendly
- No hassles of additional Lead Acid Battery connection and periodic maintenance
- 2000 complete charge discharge cycles
- Ready to fit Portable model with handle
- Dynamic controls algorithm based BMS ensure safety of lithium battery
- Adaptive to variable input conditions (rural and urban) wide input range 90V-295V
- RCB (Resettable ckt. breaker) peace of mind
- Complete Noiseless Operation
- Surge Protection-MOV inside
- T manager (Temperature manager) algorithm monitor the temperature of all critical components and protects them from any failure

TECHNICAL SPECIFICATIONS

LI-ELECTROGEN UPS

Change Over	Automatic
Output waveform on Mains mode	Same as input Mains
Output waveform on UPS/ INV mode	Modified Square Wave
Battery Charging Current_Grid	15A ±3A
Battery Charging Current_Solar	30A ± 3 A
Battery Charging Cut of Voltage	14.6 ±0.2V DC
Charger topology	CCCV
Battery Low Alarm	11.2V ± 0.2V DC
Battery Low Shutdown	10.8V ± 0.2 V DC
Efficiency	> 80%
UPS Transfer Time	< 15 ms
Auto Reset Feature	Available
Display Type	LED Panel
Solar Charge Controller Type	Max. Power Point Tracker
Solar Charge Controller Rating	30 A
Temperture Protection	Available
Opering Temputare	10'c to 45'c

