



## Sine Wave Home UPS

### A Complete Power Solution

#### Features

- Dsp Based Sine Wave With Stable Out- Put Voltage & Frequency.
- State Of The Art Mosfet Based Pwm Technology With Greater Efficiency.
- Intelligent 5 Step Pulse Charging With Deep Discharged Battery Charging.
- Full Featured Lcd / Led Front Pannel Display.
- No Humming Noise On Both Charging & Inv Mode

DSP TECHNOLOGY



Available in



Sine 650 VA - 15KVA



Hybrid Solar 650VA -10KVA



MPPT Solar UPS 650VA-10KVA



Solar Irrigation Pump UPS 1HP-10HP



ON-LINE 3KVA - 60KVA

User friendly LCD Display Indication



User friendly Graphical Display Indication



Battery, Load, Main, Output Voltage and Charging is monitored by Micro - controller to ensure better reliability and faster protection.

**Fast Changeover time:** For Computer to work uninterrupted.

**Wide and narrow range operation in main mode:**

Wide range operation works from 130 -280V AC (INV mode). and narrow range operate from 170 - 265V AC (UPS mode).

**Temperature Controlled Fan operation:**

Micro - controller monitors the temperature and turns on the fan only when the temperature is appreciably high for the requirement of fan cooling.

**Automatic Charge control:**

The 5 Step pulse Charger ensures battery is perfectly charged and attains proper specific gravity.

**Auto Reset:** Auto Reset function in case of Over Load it resets itself automatically.

**Standard protection:** All standard protection like Mains high / low trip, Reverse polarity protection with fuse, Short circuit, over load trip & Battery Low.

**Full featured front panel display and audio alarm:**

All operation status and function are displayed in LED & LCD based front panel.

## Technical Specifications

MODEL	Sine Wave	Solar Sine Wave	Hybrid solar
RATING	650VA-15KVA	650VA-10KVA	850VA-10KVA
<b>INPUT</b>			
VOLTAGE RANGE	INV MODE 130V AC -280V AC UPS MODE 170V AC - 265V AC		
FREQUENCY	50Hz ±5%		
<b>OUTPUT</b>			
MAINS MODE	Same as EB		
ON INV MODE	230V AC +/- 2%		
FREQUENCY	50Hz ±1%		
TRANSFER TIME	UPS MODE 4-8ms INV MODE 12-15ms		
LOAD POWER FACTOR	0.8 Lagging		
OVERLOAD	110% Continuous 130% for 10ms		
EFFICIENCY (MAINS MODE)	85%		
EFFICIENCY (INV)	90%		
<b>BATTERY</b>			
BATT VOLTAGE	12V,24V,36V,48,72V,120,144,192,240,360V DC.		
BACKUP	Depending on requirement		
CHARGER TYPE	5 STEP LOGIC CHARGER	20-40Amps Solar CCU	MPPT 20Amp TO 60Amps Solar CCU
CHARGING TIME	7-8 Hr		
PROTECTION	DEEP DISCHARGE & OVERCHARGE		
INDICATIONS	LED DISPLAY MAINS ON, INVERTOR ON, CHARGER ON, LOW BATT, OVER LOAD	LED / LCD DISPLAY MAINS VOLTAGE, INVERTOR OUTPUT VOLTAGE, CHARGER ON/OFF, BATT VOLTAGE, LOAD PERCENTAGE, INV STAND BY ON/OFF, UPS MODE, INV MODE, SHORT CIRCUIT, SOLAR CHARGING.	
ALARM	LOW BATT/ OVER LOAD		
<b>ENVIRONMENT</b>			
OPERATING TEMPERATURE	0°C to 40°C		
RELATIVE HUMIDITY	0 - 95% non condensive		
ACOUSTIC NOISE	Less than 40db		

Due to continuous product improvement the specifications are subject to change without Notice

Mfd by:  
**POWERTRON ENGINEERING SERVICES**

No. 39/2-7 Kalyani Garden ( N R Colony)  
BSK 1st Stage, Bengaluru - 560050  
Ph. 80-65654052, 9845340636, 9880102939  
Web. [www.powertronindia.in](http://www.powertronindia.in)  
E mail. [info@powertronindia.in](mailto:info@powertronindia.in),  
[powertron\\_ups@yahoo.com](mailto:powertron_ups@yahoo.com)

Dealer :