



Home UPS

■ SINE WAVE

From small to medium
businessw & households,
POWERLINE is an
indispensable gadget with
state of the technology
at a affordable price

Home UPS

In Today's fast paced world, where time is money
It is essential to arm yourself against all the shortcomings
With frequent shutdown and blockouts inpower supply.
It is important to have a reliable and uninterrupted
power supply to operate efficiently.

POWERLINE is correct alternative that take care of all
your power needs during the power crises.

Salient Features

- Intelligent, Microcontroller Based Design
- 110V to 300V Mains I/P, Compatible to Generator
- Intelligent Charging, Reduces Electricity Bill
- Automatic Battery Health Checkup As well as battery bad detection
- Error Code Display
- Auto Reset on overload
- Single card design easy for Servicing
- Charging from 110V

FEATURES

- ▶ DSP based; less components, small size less electricity bill more efficiency.
- ▶ Soft Start features; protects appliances at start up.
- ▶ Last Fault Display and record : the system records the last fault and you can analyze it.
- ▶ Adaptive loss reduction process gives more efficient charging system.
- ▶ 5 stag battery charge control system for lower gassing and faster Charging
- ▶ In built SBM (Smart Battery Management) system to provide higher degree battery production & life
- ▶ Battery usage data is recorded for better evaluation of battery.
- ▶ Supply the highest quality pure sine wave power; protects your expensive
- ▶ household appliance & sensitive office equipments.
- ▶ Musical Alarm
- ▶ Highly cost effective design with special features to safeguard the mosfets to poor electrical quantity.
- ▶ Over load and D.C. low protection
- ▶ Software controlled Auto self testing
- ▶ Fully computer friendly UPS operation.
- ▶ Intelligent Auto sense; continuously monitors health of system.
- ▶ AC input low & high voltage cut off protections in both, inverter & U.P.S.modes.
- ▶ Silent operation of fans, tube light or appliances.
- ▶ Quick Change over from Mains to inverter mode.
- ▶ Software controlled Auto reset feature for over load, Short ckt & low battery.
- ▶ Very low no load current for prolonged battery operation under standby
- ▶ Cooling fan improves reliability of system.

TECHNICAL SPECIFICATION

MODEL	400VA/800VA/1000VA/12V	1600VA/2500VA/24V	3500VA/5000VA/48V
Input Voltage (UPS)	180-260V		
Input Voltage (INV)	130-280V		
Output Voltage on mains mode	Same as input		
Output Frequency on inverter mode	50Hz ±0.1Hz		

Display

A.C Output Voltage of inverter, Mains Voltage input of inverter, Mains Frequency of the inverter, Inverter Load %, Battery Current

Battery Level in %, Battery Status, Inverter Status, Inverter Error (if any), Solar Voltage, Solar Current, Solar watts, Solar KWH

Solar Voltage, Days in service, Solar Status & mode of operation

Bill reducing protocol	Available	Available	Available
Output Waveform on mains mode	Same as input	Same as input	Same as input
Output Waveform on inverter mode	PURE SINE WAVE	PURE SINE WAVE	PURE SINE WAVE
Overload	110%		
Overload delay	0-20sec	Settable for handling motor loads	Settable for handling motor loads
Overload restart	5 times	Auto restart on over load	Auto restart on over load
Charging current	5amp till 20amps		
Charging process	5 stage charging process		
Data logged	Battery usage	Number of time battery discharged till warning and number times battery charged	Number of time battery discharged till warning and number times battery charged
	Last Fault record.	Last Fault record.	Last Fault record.
Mode control	Fast / slow	For computer applications select fast mode In fast mode transfer is within 4milli sec.	For computer applications select fast mode In fast mode transfer is within 4milli sec.

Inverter Protection

Unique protection scheme have been incorporated to enhance reliability.

Reverse Phase	In the event of phase voltage wrongly connected to the inverter output safe shut down will occur		
Overload	In the event of overload system will shut down and restart 5 times		
Short Circuit	A short circuit on the output will be detected separately and lead to lock down.		
Over temperature	Excessive temperature rise due to poor cooling or fan failure will		
Under charged battery	cause shut down		
Battery loose	Sparking or spikes on the dc bus will cause safe shut down and lock down.		
Battery deep discharge	Soft current build up in case of deep discharge battery		
Battery bad	In event a cell is dead or shorted a time out circuit will prevent prolonged charging.		
Auto reset features	Yes	Yes	Yes

Alarm

6 Separate audio tones

DC high / battery loose
Phase reverse or short
Hot or fuse fail
Overload / Output low
Battery low or bad, Battery
Water reminder

Our Other Power Product

					
Servo Stabilizer	Solar Home UPS	Solar I.P.S	Online UPS	LED Lights	Solar Generator

Protect Solar Charge Controller from direct Sunlight & Water.

Panel open circuit voltage should not to do be more than specified voltage

*Specification are subject to change without prior notice due to constant improvement in design & technology.

[Authorised Dealer](#)



|WORKS : Gokul Nagar, Kondhwa Bk., Pune – 411048 Maharashtra, India.
 | Customer Care No : +91 - 20 - 26961311, Cell : +91 - 9404731535
 | Website : www.vitronicscontrols.com
 | E-mail : marketing@vitronicscontrols.com, vitronics_controls@yahoo.com