



# Home UPS

## ■ SINE WAVE

### Home Ups

In today's fast paced world, where time is money it is essential to arm yourself against all the short comings. With frequent shutdown and blackouts in power supply it is important to have a reliable and uninterrupted power supply to operate efficiently

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

### Features Of DSP Based Home Ups

- DSP based; less components, small size less electricity bill more efficiency
- Soft start features; protects appliances at startup.
- Supply the highest quality pure sine wave power; protects your expensive household appliance and sensitive office equipments.
- Highly cost effective design.
- Easy to operate.
- Low maintenance cost.

- 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 and high voltage cut off protections in both, inverter and U.P.S. modes.
- Constant voltage/Constant current BOOST FLOAT CHARGER with wide Input range (130-280) V.(Charging current-10Ampr)
- 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 and low battery
- Special charging algorithm to enhance battery life.
- Fully protected against short circuit of AC mains with output.
- Phase to phase short circuit protection.
- Very low no load current for prolonged battery operation under standby.
- Cooling fan improves reliability of system.
- Secure operation; No tension for night charging.
- Intelligent charging; adapts itself to low, high battery, more and less power cut areas, battery

As a leading manufacturer in high quality UPS, Stabilizer electronic generators of various ranges, Vitronics Controls take care of all your power source problems giving you an uninterrupted power supply, enabling you to function efficiently and smoothly.

The company has a large installation base of its wide range of products throughout the region in various customer segment. Having installation with prestigious clients like major nationalised banks hospitals, software development organisations and defence labs.

Keeping our eyes on the future VITRONCS CONTROLS are developing new methods and products such as advanced power management software, to give you the maximum output and performance with minimum loss of energy. For we believe energy saved is more power gained. Our customer policy is to provide the correct solution for his need and not just sell him a product.

**Transient Protection :-**

A built in five sec. delay during change over protects vital equipment from rolling voltages.

**Voltage Regulation :-**

Inv. Provides Protection against low voltage by changing over on battery. A built in voltage and frequency regulator, regulates O/P Voltage and frequency to protect sensitive equipments.

**Protection from overloading :-**

If the unit is overloaded during battery operation inv. automatically limits itself thus protecting your battery and unit.

STANDARD MODELS	
MODEL	INPUT VOLTAGE
300 VA	12V
400 VA	12V
600 VA	12v
800 VA	12v
1000 VA	12V
1400 VA	24V
2000 VA	24V / 36V
2500 VA	36V / 48V
3000 VA	24V / 36V / 48V
3500 VA	36V / 48V
5000 VA	48V / 96V

\*Since we are in the process of continuous development, the design and specifications are subject to change without prior information.

**INDICATION**

- Mains Mode
- Inverter Mode
- Low Battery
- Over Load
- Charging
- LCD Display (Optional)

**TECHNICAL SPECIFICATIONS SOLAR DSP HOME UPS**

MODEL	nEs series /400VA/600VA/800VA/12V 1400 VA 24 V	nDls Series 950 VA 1550 VA, 2500 VA, 3500 VA	nGreen Series 300VA, 400 VA, 600 VA, 800 VA, 1000 VA, 1500 VA, 2500VA, 3500 VA
Input voltage (UPS)	180-260V	180-260V	180-260V
Input voltage (INV)	90-280V	90-280V	90-280V
Output voltage on mains mode	Same as input	Same as input	Same as input
Out voltage on inverter mode	220 ±5%	220 ±5%	220 ±5%
Output frequency on inverter mode	50Hz ±0.1Hz	50Hz ±0.1Hz	50Hz ±0.1Hz
Switching from mains to inverter & from inverter to mains.	Automatic	Automatic	Automatic
Switching from mains to UPS & from UPS to Mains	Automatic	Automatic	Automatic
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
Battery charging current	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.
Charger	Intelligent Boost, Float Charger	Intelligent Boost, Float Charger	Intelligent Boost, Float Charger
Efficiency	> 80%	> 80%	> 80%
Inverter overload	120%	120%	120%
Inverter short circuit	300%	300%	300%
Technology	DSP BASED DESIGN.	DSP BASED DESIGN.	DSP BASED DESIGN.
Auto reset features	Yes	Yes	Yes
Digital Display	No	Yes	Yes
Solar charger	No	No	Yes
Bill Reducing Protocol	No	No	Yes



**Vitronics Controls**

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**Power Line Products :**

