





UPS 101 for Office | Schools & Colleges | Hospitals High conversion efficiency

Saves approximately 35% - 40% of electricity bills using Intelligent Electronic Grid Compensation technique.

"Protects data, equipment & productivity" from power fail, low voltage and high voltage.



Works like an Online UPS, without double conversion losses.

Applications

Smart class, PCs, Server, Photo copiers, Printers, Lights, OHP, Camera, Fans, TV, Inverter AC etc.

Range

5KVA - 4 batteries / 6KVA - 6 batteries 7KVA - 6 batteries / 10KVA - 10 batteries

- Mains voltage conditioning
 Extendes the life of connected gadget by
 35% in comparison to off-line UPS/inverters.
- ★ Zero-change-over-time

www.vitronicscontrols.com

Active

TECHNICAL SPECIFICATION

CAPACITY 5KVA 6KVA 7KVA 10KVA DC BUS 48 / 72V 72V 72V 120VDC INPUT Input Voltage 230V 160-270V Input Kequency 50Hz ± 10% OUTPUT Transfer Type Mains to Inverter Inverter to Mains Zero msec. Voltage on Inverter 230V ± 10% Voltage on Inverter Voltage on Inverter 230V ± 10% Voltage on Inverter Voltage Nominal Output Current					
INPUT Input Voltage Input Voltage Input Voltage Input Voltage Input Voltage Input Frequency S0H2 ± 10% OUTPUT Transfer Type Mains to Inverter Zero msec. Voltage on Inverter Mains Zero msec. Voltage on Inverter 230V ± 10% Power Factor 0.8 Lag Frequency on Inverter Mode S0H2 ± 1H2 Waveform on Inverter Mode S0H2 ± 1H2 Waveform on Inverter Mode Puter Sinewave Over Load Capacity 100% Continious: 125% + 1 Minutes Transient Response Remains within +/- 5% & recover to normal within 20 msec Nominal Output Current 17.4 A 20.84 A 24.34 A 34.8 A Mode of Operation Designed for Continuous operation EFFICIENCY Efficiency on Inverter Mode \$ 85% Charge Type CVCC Charging Current Andard 1A-20A Higher Charging Current Provied on Request Acoustic Noise level S00D Feet above sea level (without derating) Ambient Temperature 0 to 40°C PHYSICAL Endosure Protection IP-20 Cooling Forced Air Cable Entry Back side bottom Dimensions (D x H x W) & Weight \$ 510x540x200mm \$ 10x540x200mm \$ 10x540</td <td>CAPACITY</td> <td></td> <td>6KVA</td> <td>7KVA</td> <td>10KVA</td>	CAPACITY		6KVA	7KVA	10KVA
Input Voltage 230V Input Voltage Window 160-270V Input Frequency 50H2 ± 10% OUTPUT Transfer Type Mains to Inverter Inverter to Mains Zero msec. Voltage on Inverter 230V ± 10% Power Factor 0.8 Lag Frequency on Inverter Mode S0H2 ± 1H2 Waveform on Inverter Mode Pure Sinewave Over Load Capacity 100% Continious- 125% - 1 Minutes Transient Response Remains within +/- 5% & recover to normal within 20 msec Nomial Output Current 17.4 A 20.84 A 24.34 A 34.8 A Mode of Operation Designed for Continuous operation EFFICIENCY Efficiency on Inverter Mode > 85% Charge Type CVCC Charge Type CVCC CCCC Charge Type CVCC CCC Charge Type CVCC 4000 Feet above sea level (without derating) Ambient Temperature 0 to 40°C 4000 Feet above sea level (without derating) Ambient Temperature 0 to 40°C Frequency PHSICAL Enclosure Protection IP-20 Cooling Forced A	DC BUS	48 / 72V	72V	72V	120VDC
Input Voltage Window 160-270V Input Frequency 50Hz ± 10% OUTPUT Transfer Type Mains to Inverter Zero msec. Voltage on Inverter to Mains Zero msec. Voltage on Inverter Mode 230V ± 10% Power Factor 0.8 Lag Frequency on Inverter Mode 90Hz ± 1Hz Waveform 00Hz ± 1HZ WAVeform	INPUT				
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OUTPUT Transfer Type Mains to Inverter Zero msec. Voltage on Inverter 230V ± 10%	Input Voltage Window	160-270V			
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Mode of OperationDesigned for Continuous operationEFFICIENCYEfficiency on Inverter Mode> 85%Charge TypeCVCCCharging Current Standard1A-20AHigher Charging CurrentProvied on RequestAcoustic Noise level<60db @ 1.5 meter	Transient Response	Remains within +/-	5% & recover to norm	nal within 20 msec	
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Charging Current Standard1A-20AHigher Charging CurrentProvied on RequestAcoustic Noise level<60db @ 1.5 meter	Efficiency on Inverter Mode	> 85%			
Higher Charging CurrentProvied on RequestAcoustic Noise level<60db @ 1.5 meter	Charge Type	CVCC			
Acoustic Noise level<60db @ 1.5 meter	Charging Current Standard	1A-20A			
HumidityUp to 95% RH Non condensingAltitude<3000 Feet above sea level (without derating)	Higher Charging Current	Provied on Request			
Altitude<3000 Feet above sea level (without derating)Ambient Temperature0 to 40°CPHYSICALEnclosure ProtectionIP-20CoolingForced AirCable EntryBack side bottomDimensions (D x H x W) & Weight510x540x200mm 510x540x200mm 510X540X200mm 660x670x240mm/ 45Kg/ 45Kg/ 45Kg/ 50Kg/ ED Indications• Mains on • Charger on • Inverter on • Battery Low • TripLCD Indications• Input Voltage • Output Voltage • Battery Voltage • Load CurrentProtections• Advanced Electronic Protection for device safety, backup with MCB's & fast acting fuses, high speed pulse by electronic device protection • Battery deep discharge • Over Voltage / Under Voltage Protection	Acoustic Noise level	<60db @ 1.5 meter			
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Dimensions (D x H x W) & Weight510x540x200mm510x540x200mm510X540X200mm660x670x240mm/ 45Kg/ 45Kg/ 50Kg/62KgLED Indications• Mains on • Charger on • Inverter on • Battery Low • TripLCD Indications• Input Voltage • Output Voltage • Battery Voltage • Load CurrentProtections• Advanced Electronic Protection for device safety,backup with MCB's & fast acting fuses, high speed pulse by electronic device protection • Battery deep discharge • Over Voltage / Under Voltage Protection	Cooling	Forced Air			
/ 45Kg/ 45Kg/ 50Kg/ 62KgLED Indications• Mains on • Charger on • Inverter on • Battery Low • TripLCD Indications• Input Voltage • Output Voltage • Battery Voltage • Load CurrentProtections• Advanced Electronic Protection for device safety, backup with MCB's & fast acting fuses, high speed pulse by electronic device protection • Battery deep discharge • Over Voltage / Under Voltage Protection	Cable Entry	Back side bottom			
LED Indications• Mains on • Charger on • Inverter on • Battery Low • TripLCD Indications• Input Voltage • Output Voltage • Battery Voltage • Load CurrentProtections• Advanced Electronic Protection for device safety, backup with MCB's & fast acting fuses, high speed pulse by electronic device protection • Battery deep discharge • Over Voltage / Under Voltage Protection	Dimensions (D x H x W) & Weight				660x670x240mm
LCD Indications• Input Voltage • Output Voltage • Battery Voltage • Load CurrentProtections• Advanced Electronic Protection for device safety, backup with MCB's & fast acting fuses, high speed pulse by electronic device protection • Battery deep discharge • Over Voltage / Under Voltage Protection					/62Kg
Protections• Advanced Electronic Protection for device safety, backup with MCB's & fast acting fuses, high speed pulse by electronic device protection • Battery deep discharge • Over Voltage / Under Voltage Protection	LED Indications	Mains on Charge	er on • Inverter on • I	Battery Low • Trip	
acting fuses, high speed pulse by electronic device protectionBattery deep discharge • Over Voltage / Under Voltage Protection	LCD Indications				
 Over Temperature Protection High voltage transient protection & Electrostatic discharge protection 	Protections	 acting fuses, high speed pulse by electronic device protection Battery deep discharge • Over Voltage / Under Voltage Protection Over Temperature Protection • Mains high & low cut • Short circuit Protection 			
Features Sinewave UPS with AVR for computer & Lighting Load	Features				
Testing Standard As per IEC 62040-3	Testing Standard	As per IEC 62040-3			

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



VITRONICS CONTROLS PVT. LTD.

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