





5KVA-10KVA 10-10

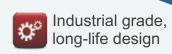
Features

- Double conversion online UPS
- Input power factor near unity
- Low Input current distortion
- Active power factor correction
- High efficiency
- Inbuilt galvanic isolation transformer
- Advanced network connectivity
- IGBT based design

Optional

- Mobile Connectivity
- Redundant UPS for 24X7 operation (hot standby and load sharing)
- Harmonic filter at the UPS input (Active / Passive)
- o RS 232 / Remote Monitoring





(MART			TECHNICAL S	PECIFICATION
SMART			ONLINE UPS 1ph	
Technology	DSP with IGBT			
CAPACITY	5 KVA	6 KVA	7.5 KVA	10 KVA
DC BUS	120V / 192V	120V / 192V	192V / 240VDC	192V /240V
INPUT				
Input Voltage	230V AC Single Phase			
Input Power Factor @ 100% Load	0.99			
Input current harmonic distortion (THD)	<10%			
Input Voltage Window	170-270V			
Input Frequency	50Hz+10%			
Rectifier	IGBT based Full bridge			
Voltage Regulation	(+)1%			
Charger Type	CVCC			
OUTPUT				
Inverter Type	MPWM with instantaneous sine wave control using MOSFET			
Power Factor	0.8 lag			
Nominal Voltage	230V Single Ø			
Regulation	(±) 1%			
Frequency	50Hz ± 1Hz			
Total Harmonic Distortion	<2% for linear load, <6% for non linear load			
Over Load Capacity	125% -1 Minute : 150% 5 Seconds			
Transient Response	Remains within +/- 5% & recover to normal within 20 msec			
Nominal output current	16 A	19.2 A	24 A	32 A
Crest Factor	3:1			
Mode of Operation	Designed for Continuous operation			
EFFICIENCY				
Efficiency - 100% load	87%			
Converter Protection	Advanced Electronic Protection for device safety backed up with MCB's & fast acting fuses			
Isolation	True Online with complete galvanic isolation for comprehensive power protection.			
Inverter Protection	Advanced Electronic Protection for device safety, backed up with MCB's & fast			
inverter i rotection	acting fuses, high speed pulse by pulse electronic device protection, over voltage			
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ENVIRONMENTAL			·	
Acoustic Noise level	<60db @ 1.5 meter			
Ambient Temperature	0 to 40°C			
Humidity	Up to 95% RH Non condensing			
Altitude	<3000 Feet above sea level (without derating)			
PHYSICAL				
Enclosure Protection	IP-20			
Cooling	Forced Air			
Cable Entry	Back side bottom			
Dimensions (D x H x W) & Weight	530 x 550 x 210 / 45Kg	530 x 550 x 210 / 50Kg	530 x 550 x 210 / 55Kg	640 x 660 x 240 / 75Kg
LED Indications	• Mains on • Charge	r on • Inverter on • Ba	attery Low • Overload	d • Inverter Trip

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.

• Short circuit protection

As per IEC 62040-3

Authorised Dealer

Protections

Compatibility

Testing Standard



VITRONICS CONTROLS PVT. LTD.

• Input Fuse • Input Under Voltage / Over Voltage • Over Temperature Protection

• Rectifier Over Voltage • Battery Low protection • Over Load protection

• High voltage transient protection & Electrostatic discharge protection

Remote power monitoring using SNMP Software & Solar Power

S. No. 58/7A/1, Opp. Kheteshwar Ashram, Gokul Nagar, Katraj Kondhwa Road, Kondhwa Bk.Pune - 411 048, India Tel.: +91 20 2696 2548, 2696 1311, +91 9404731535 Email:marketing@vitronicscontrols.com