

## Specifications

<b>Inverter Parameters</b>	
Inverter Type	16 Bit DSP PWM Controlled
Switching Frequency	16KHz
Output Power Factor	0.8
Input Power Factor	Unity
Output Regulation	±1%
Output Frequency	50Hz ± 0.1Hz
Efficiency	93%
Wave Form	Pure Sine Wave
<b>Overall Parameters</b>	
Bypass	Static / Manual
Control System	Single Card Controlled
Parameter Monitor	LCD 16×2 / Graphic (optional)
Communication	Ethernet with web based data logging (Optional)
<b>Input Parameters</b>	
Input Supply	Single Phase
Voltage	140V- 290V AC
Frequency	50 Hz ± 10% Hz
<b>Output Parameters</b>	
Voltage	230 V± 1%
Frequency	50Hz ± 0.5 Hz
Crest Factor	3:1
Harmonic Distortion	<2%
Output Wave Form	Pure sine wave
Over Load Handling Capacity	120% for 8 Mints
	150% for 15 sec
	300% for 1 sec
<b>Battery Parameters</b>	
Battery Voltage	72 - 360 VDC
Battery Type	Lead Acid / SMF
Number of Battery	As per rating

Battery Capacity	45AH - 200AH
<b>Protection</b>	
Input High / Low	
Input Over current	
DC Bus High / Low	
Battery Deep Discharge	
Battery Over Charge	
Over Temperature	
Output Short Circuit	
Return Voltage	
Over Load	
<b>Environmental Parameters</b>	
Operating Temperature	0-45°
Acoustic Noise at 1mtr	<45 db
Relative Humidity	Max 95% non condensing
<b>LCD Display Parameters</b>	
Mains Condition	
Charging Current	
Output Voltage	
Output Frequency	
Battery Status	
Load status	
Low Battery Alarm	
Over Load Alarm	
Low Battery Trip	
Over Load Trip	
Short Circuit Trip	
Over Temperature Trip	
Battery Terminal Open	
<b>Settable Parameters on Front Panel</b>	
Output Voltage	
Charging Current	
Over load Set Point	

<b>Charger Parameters</b>	
Charger Type	IGBT Based PWM Controlled Rectifier
Charger Switching Frequency	20KHz
Charging Current	3Amp – 15A Amp(Settable)

The design and manufacture of our products are subject to constant improvement. Hence the above specification of the supplied product may slightly vary without information.

## **Applications**

In Offices, hospitals, malls, clinic, servers, ATMs and other commercial places.