

## Specifications

<b>Inverter Parameters</b>	
Inverter Type	16 Bit DSP PWM Controlled
Switching Frequency	16KHz
Output Power Factor	0.8
Output Regulation	±1%
Output Frequency	50Hz ± 0.1Hz
Phase Shift	120° ± 0.5°
Efficiency	93%
Wave Form	Pure Sine Wave
<b>Overall Parameters</b>	
Change Over Type	Contactor / Static Switch
Change Over Time	10ms to 6sec (Optional)
Control System	Single Card Controlled
Parameter Monitor	LCD 16×2 / Graphic (optional)
Communication (optional)	Ethernet with web based data logging
<b>Input Parameters</b>	
Input Supply	3 phase 4 wire
Voltage	295V- 485V AC
Frequency	50 Hz ± 10% Hz
<b>Output Parameters</b>	
Voltage	415 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	
Battery Deep Discharge	
Battery Over Charge	
Over Temperature	
Short Circuit	
Return Voltage	
Over Load	
Input Single Phase	
<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	
<b>Settable Parameters on Front Panel</b>	
Output Voltage	
Charging Current	
Battery Type	
Over load Set Point	

DC Bus Voltage	
Changeover Delay	
<b>Charger Parameters</b>	
Charger Type	PWM Controller Rectifier
Charger Switching Frequency	20KHz
Charging Current	3Amp – 15A Amp(Settable)
Charging Cut Off Per Battery	Normal =13.8 Tubular=14.5
Charging Method	Multi Stage / Current Controller

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 lifts, Cranes, Motor applications and other industrial purposes.