

Colossal DSP Sine Wave Technology

I N V E R T E R 3 phase input - 3 phase output

TECHNICAL SPECIFICATIONS

Type	3 phase input - 3phase output		
Series	Pure Sine Wave Inverter		
Technology	DSP based PWM technology using IGBT		
Ratings	5KVA	7.5KVA	10KVA 15KVA 20KVA 25KVA 30KVA 40KVA 50KVA 65KVA 80KVA 100KVA
Model No.			
INPUT PARAMETERS			
Input Supply	3Phase, 4 Wire		
Voltage Range	280 - 465V AC (P-P)		
Frequency Range	45-55 Hz		
Power Factor (charging)	0.85 to 0.95		
OUTPUT PARAMETERS			
Voltage Regulation	220V \pm 5%		
Frequency Regulation	50Hz \pm 0.1Hz		
Peak Efficiency	>87%		
Output Waveform	Pure Sine Wave		
Total Harmonic Distortion	< 3%		
Crest Factor	> 3:1		
Overload Handling Capacity	110% for 8 mins, 150% for 15 secs, 200% for 4secs, 300%for 2 secs		
BATTERY PARAMETERS			
Battery Type	12V/45-200 Ah	12V/100-200Ah	2V/12V/100-1000Ah
Battery Voltage(Nominal)	180/360V DC		360V DC
Battery Charging Current	3A \pm 0.5A to 20A + 0.5A		10 \pm 0.5A to 100A + 2.0A
ENVIRONMENTAL PARAMETERS			
Operating Temperature	0-45°C		
Acoustic Noise (at 1mts)	< 55dB		
Relative Humidity	Max 95% non-condensing		
OTHERS			
Indications & Alarms	Backlit 16 x 2 Lines LCD Screen with Indications, Alarms & remedy		
Protection Class	IP20		
Dimensions-WxDxH (in mm)	350x530x325	356x550x295	350x550x650
Weight (in kgs)	56	87	99

Specifications are subject to change without prior notice.

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