CE1L

PURE POWER. SURE POWER.

DSP Based Pure Sine Wave
Higher KVA Inverter

Features:

• DSP based Pure Sine Wave Inverter System • Auto Sense Intelligent Control Smart Charger • Mains mode Short Circuit Protection • Fast Changeover ensuring Compatibility with Computers • TDR (Time Delay Relay), especially for AC compressor based applications • Compatible with D.G. Sets.

Applications:

• Reliable Power Back-up source for Emergency / Critical Electrical Loads in sudden power outages • Computers & Peripherals Office Equipment • Petrol/Diesel Dispensing Machines, Air Condition Machines • Many more applications which require reliable back-up power.

Major Users:

• Shopping Malls • Banks • Corporate offices • Hospitals • Petrol Pumps • Academic Institutes • Clinical laboratories • Hotels • Residential Apartments etc.

High KVA DSP Sine Wave Inverter

Technical Specifications

Description	2.5 KVA	2.5 KVA	3.5 KVA	5 KVA	5 KVA	7.5 KVA	10 KVA
Type	1 phase input - 1 phase output						
	Back Up Mode						
Output Wave Form	Pure Sine Wave						
Nominal Battery Voltage	36V DC	48V DC	48V DC	48V DC	96V DC	120V DC	180V DC
Output Power Factor	0.8						
No Load O/P Voltage	220V+/- 5 V AC					230V+/- 5 V AC	
O/P Frequency	50Hz+/- 1 Hz						
Maximum No Load Batt. Current	1.1 A +/- 0.2 A						
Full Load O/P Current	8.7+/-0.5 A	8.7+/-0.5 A	11.5+/-0.5 A	17+/-0.5 A	17+/-0.5 A	27+/-0.5 A	34+/-0.5 A
Total Harmonic Distortion	< 3%						
Low Battery Indication	10.5V +/- 0.2V DC per Battery (12V DC Each)						
Low Battery Cut off	10.3V +/- 0.2V DC per Battery (12V DC Each)						
	Mains Mode						
Max. Charging Current	10 A +/- 1A						
Full Load O/P Current at Mains Mode	15+/-1A	15+/-1A	17.6+/-1A	25+/-1A	25+/-1A	35+/-1A	42+/-1A
Boost Charging Voltage	14.2V +/- 0.2V DC per Battery (12V DC Each)						
Float Charging Voltage	13.7V +/- 0.2V DC per Battery (12V DC Each)						
	Wide Mode						
Input Voltage range	100V to 280 V AC +/- 10 V AC			125V to 280 V AC +/- 10 V AC			
Change Over Time (Mains to Inverter)	< 40 ms						
Change Over Time (Inverter to Mains)	< 25 ms						
	Narrow Mode						
Input Voltage range	180V to 260V AC +/- 5V AC						
Change Over Time (Mains to Inverter)	< 10 ms						
Change Over Time (Inverter to Mains)	< 10 ms						
	Protections						
Protections	Output Not Ok, Battery voltage Low (4 Auto Retries), Over load (6 Auto Retries), Battery Over Charge, Over Tempreture, Short Circuit, Mains MCB Tripped						
	Displays						
Displays	Welcome Message, Capacity, Output Voltage & Frequency, Load Percentage, Input Voltage & Frequency, Battery Charging, Battery voltage and all Protections						
	Environmental Parameters						
Operating Temperature	0-45 Deg. C						
Acoustic Noise at 1 Mtr	< 45 dB						
Relative Humidity	Max. 95% non- condensing						
Thermal Management	Integrated Cooling (Fan and Heat Sink)						
	Weight and Dimensions						
With Packaging LXWXH in mm	470x440x610	470x440x610	470x440x610	500x495x660	500x495x660	600x500x740	600x500x740
Without Packaging LXWXH in mm	310x290x450	310x290x450	310x290x450	350x300x540	350x300x540	550x350x660	550x350x660
Net Weight	29	29	32	54	54	78	89
Gross Weight	36	36	39	58	58	89	100

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