

The **POWER** Modern Cities rely on



40 to 150 KVA



10 to 30 KVA



Three Phase, Series - III
Sine Wave Inverter

10 KVA



5 and 7.5 KVA



Single Phase, Series - I
Sine Wave Inverter

TECHNICAL SPECIFICATIONS

Model	PowerZen Sine wave Inverter Single Phase, Series-I	PowerZen Sine wave Inverter Three Phase, Series-III
AC Input Voltage	230V + 20% - 30%	415V + 15% - 20% Three Phase Input
Frequency	50Hz ± 10%	50 Hz ± 6%
Phase	Single Phase	Three Phase
Charging Time	12 Hours for 90% of full Capacity	12 Hours for 90% full Capacity
Charger Type	CVCC Controlled Rectifier	CVCC Internal Controlled Rectifier Type
Rating	5 KVA	6 to 10 KVA
Battery Voltage	120/144 VDC	180 VDC
		10KVA to 150KVA
		180 / 240 / 360V
INVERTER		
Technology	IGBT	IGBT
Output Voltage	230V AC Single Phase	400 / 415V AC Three Phase
Voltage Regulation	± 2%	± 2% for DC Input & Output load variation
Frequency	50Hz ± 0.5Hz	50Hz ± 0.5Hz
Waveform	PWM Sine wave	PWM Sine wave
Harmonic Distortion	< 3%	< 3%
Inverter Efficiency	> 90%	> 92%
Power Factor	0.8	0.8
Overload	105% continuous	105% continuous
	105% to 150% 30 sec	150% for 30 sec
Crest Factor	3:1	3:1
Phase Displacement	NA	120° ± 1°
Audible Noise	< 50 dB at 1 Meter	< 50 dB at 1 Meter
METERING		
Microprocessor based Digital LCD	Microprocessor based Digital LCD for Output Voltage, Output current, Output Frequency, Load Percentage, DC Voltage, Battery Percentage.	R, Y, B Output Voltage, Output current & Frequency, DC Voltage, Battery and Load Percentage
GENERAL		
Dimensions (L x W x H) mm	a) 650 x 240 x 500 mm up to 5 to 7.5 KVA b) 725 x 350 x 800 mm for 10 KVA	a) 10 to 30 KVA (1040 x 350 x 910) b) 40 to 100 KVA (1250 x 450 x 1150) c) 125 to 150 KVA (1200 x 600 x 1350)
Operating temperature	0° to 50°C	0° to 50°C
Humidity	Max 95%, Non-condensing	Max 95%, Non-condensing
PROTECTIONS		
	Output overload & Short circuit, Output Under & Over voltage, DC Under & Over voltage	Output overload & Short circuit, Output Under & Over voltage, DC Under & Over voltage Input Under & Over voltage, Single Phasing & Phase unbalance
INDICATIONS & ALARMS		
a) Mains on	Indication	Indication
b) Inverter on	Indication	Indication
c) DC Low	Indication & Alarm	Indication & Alarm
d) Fault Condition	Indication & Alarm	Indication & Alarm
e) Output Overload	Indication & Alarm	Indication & Alarm
CHANGE-OVER		
a) Electro mechanical switch	Provided as standard feature up to 6KVA	NA
b) Static Switch	Bi-directional 7.5 and above	Bi-directional

* Specifications are subject to change without prior notice due to constant improvement in design & technology.

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Our Nationwide Network

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