



TECHNICAL SPECIFICATIONS

INDUSTRIAL SINEWAVE UPS MODEL GI 303

10KVA To 100 KVA 3-Ø Input/ 3-Ø Output

RATING		10KVA To 100KVA
DC BUS		192 VDC - 360 VDC
INPUT		
Input Voltage		400V AC 3 Ø & N
Input Voltage Window		350-450V
Input Frequency		50Hz ± 6%
Charger Type		CVCC
OUTPUT		
On Mains Mode		350V-450V
Transfer time		0-2msec
Battery to Mains and Mains to battery		
On Inverter Mode		400V AC Ø-Ø / 230V Ø- N
Regulation	Balanced Load	(±) 1%
	Unbalanced Load	(±) 1%
Frequency		50 Hz ± 0.1Hz
Waveform		True Sinewave
Total Harmonic Distortion	Linear Load	< 2%
	Non Linear Load	< 6%
Over Load Capacity	100%	Continuous
	125%	1 Minute
	150%	5 Seconds
Inverter Type		IGBT based PWM with instantaneous Sinewave Control
Transient Response		Remains within ± 5% & recover to 100% within one cycle
Crest Factor		3:1
Mode of Operation		Designed for continuous operations.
Unbalanced Load Phase Shift		120 ⁰ ± 0.5 ⁰
Manual Bypass		Provided
EFFICIENCY		
On Mains Mode		>98 %
Inverter Efficiency		>92%
PROTECTION		
Converter Protection		Advanced Electronic Protection for device safety backed up with MCB's/ MCCBs & fast acting fuses.Soft start for 0-20 seconds Power walk-in
Inverter Protection		Advanced Electronic Protection for device safety backed up with MCB's/ MCCBs & fast acting fuses, high speed pulse by pulse electronic device protection over voltage / under voltage protection, Electronic over current trip

ALARMS	
	Input / Low / Fail
	Output Overload
	Over Temperature
	Battery low
LED Indications (4 LED with multi function)	
	• Mains ON Individual Phase Indication R-Y-B
	• UPS ON Individual Phase Indication R-Y-B
	• Battery Low
	• Overload
	• UPS Trip
User Friendly LCD Display showing the following parameters	
	• Input Voltage Individual I/P Phase voltage
	• Output Voltage Individual Phase O/P voltage
	• Load Current Individual Phase current
	• Battery Voltage
PROTECTIONS	
	• Input MCB / Static MCB
	• Battery MCB
	• Input under / Over Voltage
	• Battery low
	• Battery Charging Current Limit
	• Output Under Voltage
	• Output Over Voltage
	• Output Overload
	• Output Short Circuit
	• Invertor Over Temperature
BATTERY	
Battery Type	SMF/ TUBULAR
RATING	10KVA To 100KVA
Voltage	192 V - 360 VDC
Battery Low advance warning at	11 V / Battery
Battery Low cut off at	10.5 V/ Battery
Charger	CCCV
Charging Current Standard	0-10A

ENVIRONMENTAL	
Acoustic Noise level	<60db @ 1.5 meter
Ambient Temperature	0 to 40 Deg C
Storage Temperature	-10 to 70 Deg C
Humidity	Up to 95% RH Non condensing
Altitude	< 3000 Feet above sea level (without derating)
Extreme Climatic conditions	AC Environment is required if the temperature goes beyond the normal operating temperature (0-40 deg C)
PHYSICAL	
Enclosure Protection Grade	IP - 20
Cooling	Forced Air
Cable Entry	Front side bottom
Testing Standard	As per IEC 62040 - 3

* Specifications are indicative to our standard models and are subject to change without notice.