



DSP Sine Wave Static UPS™

2.5 KVA - 12 KVA

India's No. 1
Static UPS™



Salient Features

- ★ State of the art MOSFET/IGBT based PWM Technology to increase Crest Factor
- ★ Auto Sense Intelligent Control Smart Charger
- ★ Electronic change-over, hence much better reliability
- ★ Quiet operation of AC motors as well as other inductive loads unlike the noise that emanates from modified Sine Wave Systems
- ★ Very low Total Harmonic Distortion <3%
- ★ Fast Changeover ensuring Compatibility with Computers
- ★ TDR (Time Delay Relay), especially for AC compressor based applications
- ★ Mains Mode Short Circuit Protection
- ★ Surge Load Capacity upto 300%
- ★ Less Operating Cost as compared to that with Online UPS as well as DG Sets
- ★ Bypass Switch in case of System Failure
- ★ Compatibility with D.G. Sets

Applications

- ★ Major Power Back up source in Corporate Offices as well as Call Centres
- ★ Computers & peripherals / Office Equipment like, Scanners, Printers, Fax Machines etc.
- ★ Emergency & Mobile Power Systems
- ★ A.C. and all Compressor Based Applications
- ★ Petrol / Diesel Dispensing (Filling) Machines
- ★ Tread Mills & other Health Equipment in Homes/Gyms
- ★ Water Pumps and similar Motor Based Applications

Technical Specifications*

Description	2.5KVA	3KVA	3.5KVA	4KVA	5KVA	6KVA	7.5KVA	10KVA	12KVA
Back-up Mode									
Output Wave Form	Pure Sine Wave								
Nominal Battery Voltage	48V DC	48V DC	48V DC	48V DC	96V DC 120V DC 180V DC	120V DC 180V DC	120V DC 180V DC	180V DC 360V DC	192V DC
Output Power Factor	0.8								
No Load O/P Voltage	220V ± 5V AC					230V ± 5V AC			
O/P Frequency	50Hz ± 1Hz								
Maximum No Load Batt. Current	1.1A ± 0.2A								
Full Load O/P Current	8.7A±0.5A	10.5A±0.5A	11.5A±0.5A	13A±0.5A	17A±0.5A	21A±0.5A	27A±0.5A	34A±0.5A	42A± 0.5A
Total Harmonic Distortion	<3%								
Low Battery Indication	10.5V +/-0.2V DC Per Battery (12V DC Each)								
Low Batt. Cut OFF	10.3V +/-0.2V DC Per Battery (12V DC Each)								
Mains Mode									
Max. Charging Current	10A ±1A								
Full Load O/P Current at Mains Mode	15A±1A	17A±1A	17.6A±1A	19.5A±1A	25A±1A	30A±1A	35A±1A	42A±1A	45A±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)								
Normal Mode									
Input Voltage Range	100V to 280V AC±10V AC				125V to 280V AC±10V AC				
Change Over Time (mains to Inverter)	< 40ms								
Change Over Time (inverter to Mains)	< 25ms								
UPS Mode									
Input Voltage Range	180V to 260V AC±5V AC								
Change Over Time (mains to Inverter)	<10ms								
Change Over Time (Inv. to Mains)	<10ms								
Protections									
Protections	Output Not Ok, Battery Voltage Low (4 Auto Retries), Over Load (6 Auto Retries) Battery Over Charge, Over Temperature, Short Circuit, Mains MCB Tripped								
Displays									
Displays	Welcome Message, Capacity, Output Voltage, Output Frequency, Load Percentage Input Voltage and Frequency, Load Percentage, Battery Charging, Battery Voltage and All Protections								
Environmental Parameters									
Operating Temperature	0 – 45 Deg.								
Acoustic Noise at 1 Mtr.	< 45 dB								
Relative Humidity	Max 95% non - Condensing								
Thermal Management	Integrated Cooling (Fan & Heat Sink)								
Weight and Dimensions									
With Packaging LXWXH in mm	470x440x610	470x440x610	470x440x610	470x440x610	500x495x660	500x495x660	600x500x740	600x500x740	600x500x740
Without Packaging LXWXH in mm	310x290x450	310x290x450	310x290x450	310x290x450	350x300x540	350x300x540	550x350x660	550x350x660	550x350x660
Net Weight	29 Kg	32 Kg	32 Kg	45 Kg	54 Kg	54 Kg	78 Kg	89 Kg	104 Kg
Gross Weight	36 Kg	39 Kg	39 Kg	49 Kg	58 Kg	58 Kg	89 Kg	100 Kg	115 Kg

Load Chart*

Application	Load	3KVA	5KVA	7.5KVA	10KVA	12KVA
Petroleum Outlet	Fan	1	4	5	5	5
	Tube light	2	4	5	8	8
	Petrol Filling Machine	1	2	3	4	5
Institute	Fan Only	30	50	75	100	110
	Fan	18	35	55	70	75
	Tube light	15	20	35	40	50
Browsing Centre	A.C	-	1	1	2	2
	Fan	5	4	8	8	10
	Tube light	5	4	8	8	10
Browsing Centre	Computer	5	2	6	6	6
	Fan	5	10	12	20	25
	Tube light	5	10	12	20	25
Corporate Bldg.	Computer	5	8	12	15	20
	A.C	-	1	1	2	2
	Fan	18	8	12	16	20
	Tube light	15	8	12	16	20



MEMBER



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