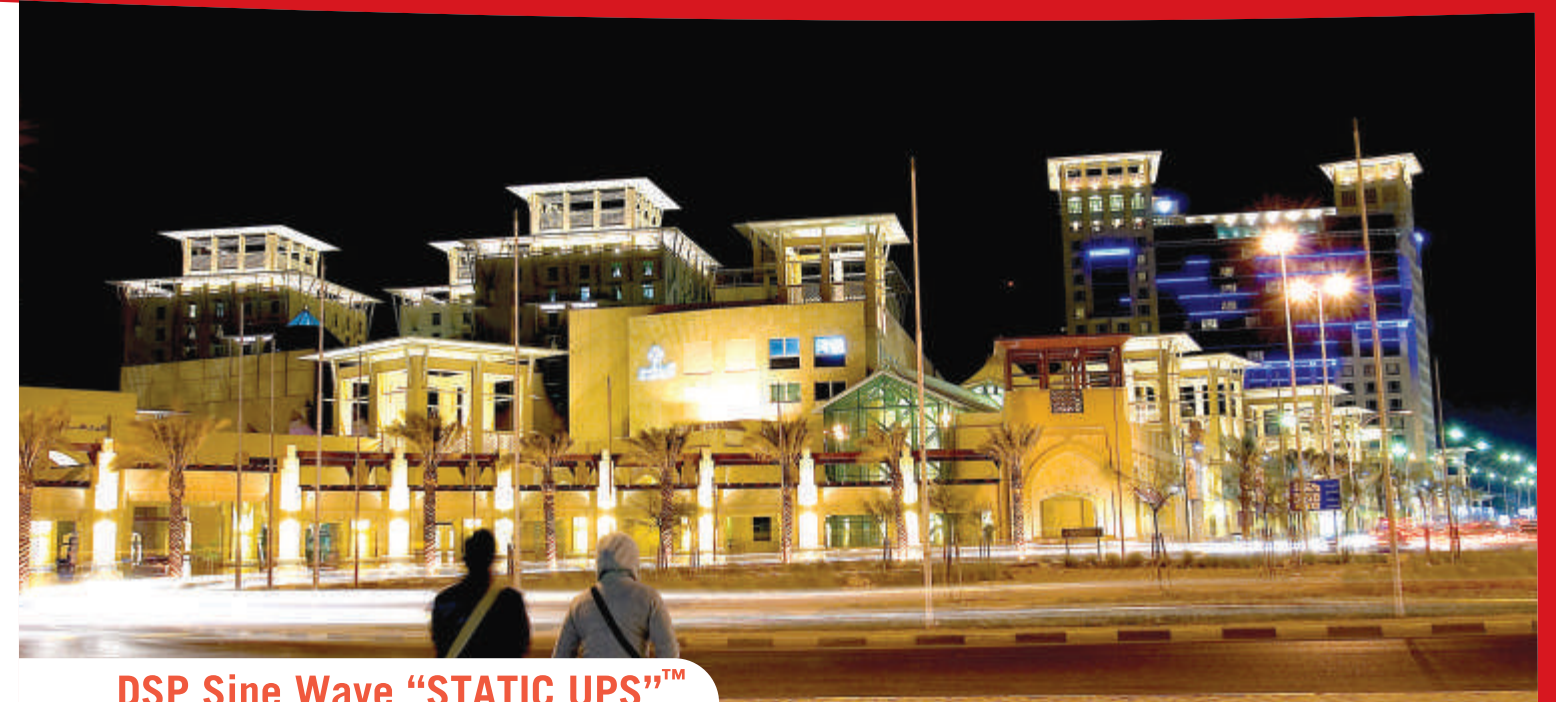
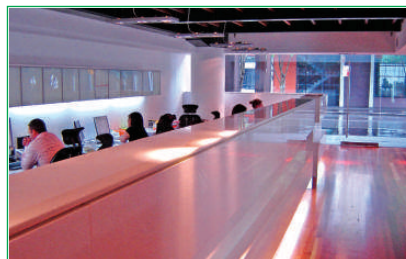


Why SintelStatic UPS is better than other Inverters ?

- 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 Driven Equipment



DSP Sine Wave "STATIC UPS"™

In real life, all our sophisticated and critical appliances and equipments have to face a number of power problems. These endanger your critical systems and are mostly encountered in the form of sags, surges, noise, brown outs, black outs etc. Because of its' very high installation and operation cost, the online UPS is unlikely to be the right solution for this. Therefore to provide the clean and stable power supply AC Sine Wave power from charged batteries Sintel has designed the DSP sine-wave Static UPS based on world's latest DSP technology. It is a reliable, efficient and highly cost effective solution.



- 2.5 KVA
- 3 KVA
- 3.5 KVA
- 4 KVA
- 5 KVA
- 6 KVA
- 7.5 KVA
- 10 KVA
- 12 KVA



Sintel Technologies Pvt. Ltd.

H.O.:
1204, Sadashiv Peth,
Vyankatesh Apts., Pune- 411 030.
Tel.:91-020-24488833 / 44 M:9823040240

MumbaiOffice:
601, 6th Floor, Kasam Arcade,
Jambhali Naka, Thane (W) - 400 602.
Tel.: 91-022-65829790 M: 9823040240

e-mail: sinteltech@vsnl.net



Technical Specifications*

Description	600VA	800VA	1400VA
Output Voltage at No Load	220V ± 5V AC		
Output Frequency	50.0Hz ± 1.0Hz		
Output Wave Form	Pure Sine Wave		
Nominal Battery Voltage	12V DC	24V DC	
Max. No Load Current @ Fully Charged Battery	1.2A	1.2A	
Battery Low Alarm	10.6V ± 0.2V DC	21.2V ± 0.4V DC	
Battery Low Protection	10.4V ± 0.2V DC	20.8V ± 0.4V DC	
Peak Efficiency	> 85%		
No Load Current @ Switch Off/Mains Off	0A (Zero Amp)		
THD (Total Harmonic Distortion)	< = 3% @ resistive load		
Full Load Battery Current	40A±2A	52A±2A	46A±2A

UPS Mode

Input Voltage Range	180V to 260V AC ± 5V AC
Maximum Changeover Time	< = 10ms

Normal Mode

Input Voltage Range	100V to 280V AC ± 10V AC
Input Voltage Range For Charging	100V to 280V AC ± 10V AC
Maximum Changeover Time	< = 10ms

Charging Mode

Charging Current @ 220VAC (NC)	7A +/-1A	9A +/-1A
Charging Current @ 220VAC (HC)	10A +/-1A	14A +/-1A
Boost Charging Voltage	14.2 ± 0.2 VDC	28.4 ± 0.2 VDC
Float Charging Voltage	13.7 ± 0.2 VDC	27.4 ± 0.2 VDC

Protections

Protections	Battery Voltage Low (4 Auto Retries), Over Load (6 Auto Retries) Battery Over Charge, Over Temperature, Short Circuit (one Retry), Battery Deep Discharge Protection
-------------	--

Displays

Displays	AC Mains Voltage, UPS ON/OFF Short Circuit, Overload, Battery Low, Load % Mains ON/ OFF, Battery Charging/Charged/Low
----------	---

Weight and Dimensions

With Packaging WXD _X H in mm	390x340x130	
Without Packaging WXD _X H in mm	310x260x90	
Net Weight	3.4Kg	4.25Kg
Gross Weight	4.2Kg	5.10Kg

General

Communication	4 PIN Serial Interface for Calibration of Various Parameters
Operating Temperature Range	0 Deg. to 45 Deg.
Relative Humidity	0-90% Non Condensing

Load Chart *

Load	600 VA+	800 VA+	1400VA+
TV	1 - -	1 - -	1 - -
Tube light	4 4 -	6 5 -	10 8 -
Fan	3 4 -	4 5 -	7 9 -
Computers**	- - 4	- - 5	- - 10

Note : The charging current can be increased / decreased using the unique and "first-in-class" On Site Charging Rate Control (OSCR) features.

** For computers with 14" TFT monitors

* Conditions apply

Technical Specifications*

Description	2.5KVA	3KVA	3.5KVA	4KVA	5KVA	6KVA	7.5KVA	10KVA	12KVA
Output Wave Form	Pure Sine Wave								
Nominal Battery Voltage	48V DC	48V DC	48V DC	48V DC	96V DC	120V DC	120V DC	180V DC	192V DC
					120V DC	180V DC	180V DC	360V DC	
					180V 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
	Computer	5	2	6	6	6
Browsing Centre	Fan	5	10	12	20	25
	Tube light	5	10	12	20	25
	Computer	5	8	12	15	20
Corporate Bldg.	A.C	-	1	1	2	2
	Fan	18	8	12	16	20
	Tube light	15	8	12	16	20

* Conditions apply