



DSP Static UPS



An ISO 9001-2008 Company

THE BEST STATIC UPS EVER...

STAY CONNECTED to your Power Needs Always !



● Petrol Pumps



● Automation Industries



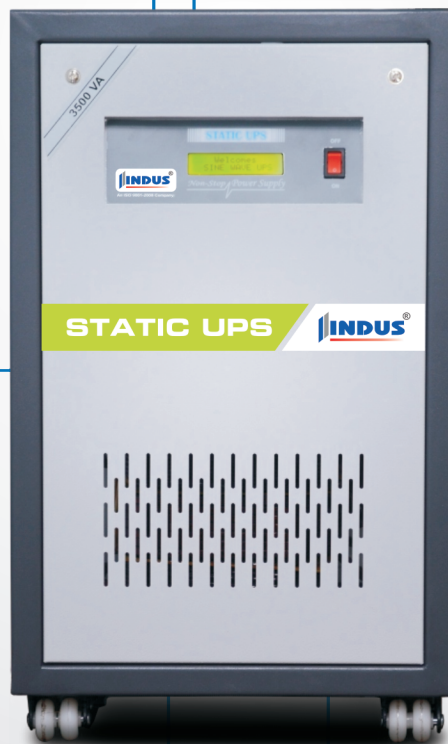
● Corporate Offices



● Hospitals



● Restaurants & Hotels



● Banks & Institutes



Why INDUS Static Ups?

- India's Most Advanced DSP Technology
- Export Quality With Zero Defects
- 100% Protection For Power Devices
- High Efficiency 95%
- Changeover Time Less Than 5ms



PCB

The glass E-Pox double sided PCB of INDUS STATIC UPS is developed using high quality durable components. The advanced hardware and software bundle enables the system to run smoothly.



Heavy Duty Transformer

Temperature is one of the prime factors that affects a transformer's life and usability. The transformers used in INDUS STATIC UPS are designed to discharge minimal heat. This highly efficient temperature sensitive heavy duty transformer results in higher overload capability & durability.



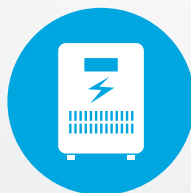
Applications

- Home Appliances (A.C., Fridge, Washing machine)
- Computer peripherals, medium hub, scanners, printers
- Medical Diagnostic Equipments
- Communication & Broadcasting
- Emergency power systems
- All Compressor based applications
- Petrol pumps
- Hotels, Showrooms, Schools
- Corporate & Banking



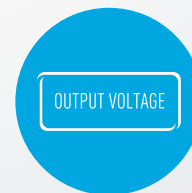
Quick Change Over

An instant changeover of INDUS STATIC UPS does not allow your sensitive equipments such as TV, Computer, Laptop, AC, etc. to restart or reboot, thus resulting in enhanced safety & durability.



Innovative Design

Due to its innovative & streamlined internal mechanical structure, INDUS STATIC UPS systems are extremely compact, silent and user friendly. This enables the servicing to be quick and easy.



Smart LCD Display

The smart LCD panel of INDUS STATIC UPS displays vital system information and the status of the UPS. The inbuilt identifying system recognizes any faults in the system and the LCD panel displays the relevant alerts, thus reducing the efforts and time required for maintenance.

Technical Specifications

CAPACITY	2.5 KVA	3.5KVA	4 KVA	5 KVA	6 KVA	7.5 KVA	10 KVA	12 KVA
Battery Voltage	36/48VDC	48VDC	72VDC	48/96/120VDC	120/180VDC	120/180VDC	180VDC	192VDC

Battery Mode

Output Voltage at No Load	220 \pm 2 VAC
No Load Battery Current	0.8 \pm 0.3ADC
No Load Inverter Output Frequency	50 Hz \pm 0.5 Hz
Full Load Inverter Output Waveform	Pure Sine Wave
Inverter Output Power Factor	0.8
Over Load Setting	110%
Short Circuit Test	300%
Battery Low Voltage Alarm / BAT	10.5 \pm 0.2 VDC
Battery Low Cut Off Voltage / BAT	10.3 \pm 0.2 VDC
Inverter Efficiency at 100% Load	90%
Crest Factor	3:1
Total Harmonic Distortion	<2%

Charging Mode

Charging Cut Off Voltage LB / BAT	13.9 \pm 0.2 VDC
Charging Cut Off Voltage SB / BAT	14.3 \pm 0.2 VDC
Battery Float Voltage / BAT	13.6 \pm 0.2 VDC
Battery Charging Current (LB Mode)	10 \pm 0.5 ADC
Battery Charging Current (SB Mode)	12 \pm 0.5 ADC
Peak Charging Efficiency at 230V AC	75%

Environmental Parameters

Operating Temperature	0 - 45 Deg.
Acoustic Noise At 1 Mtr.	< 45 dB
Relative Humidity	Max 95% non - condensing
Thermal Management	Integrated Cooling

Inverter Mode

Mains Voltage Low Cut	120V \pm 5 VAC
Mains Voltage Low Cut Recovery	130 V \pm 5 VAC
Mains Voltage High Cut	285 \pm 5 VAC
Mains Voltage High Cut Recovery	275 \pm 5 VAC
Change Over Time Mains to Inverter	< 35ms
Change Over Time Inverter To Mains	< 5ms
Output Waveform	As per Input

UPS Mode

Mains Voltage Low Cut	180V \pm 5 VAC
Mains Voltage Low Cut Recovery	190V \pm 5 VAC
Mains Voltage High Cut	265 \pm 5 VAC
Mains Voltage High Cut Recovery	255V \pm 5VAC
Change Over Time Mains to Inverter	< 5ms
Change Over Time Inverter To Mains	< 3ms
Output Waveform	As per Input

Audio & Visual Indication

Mains Fuse Blown Protection	Audio & Visual
Batt Low Alarm	Audio & Visual
Batt Low Shutdown	Visual
Overload Alarm	Audio & Visual
Overload Shutdown	Visual
Over Temp Alarm	Audio & Visual
Over Temp Shutdown	Visual
Overload Auto Reset (INV mode)	Yes
Overload Auto Reset (UPS mode)	No

Lcd Display Indication

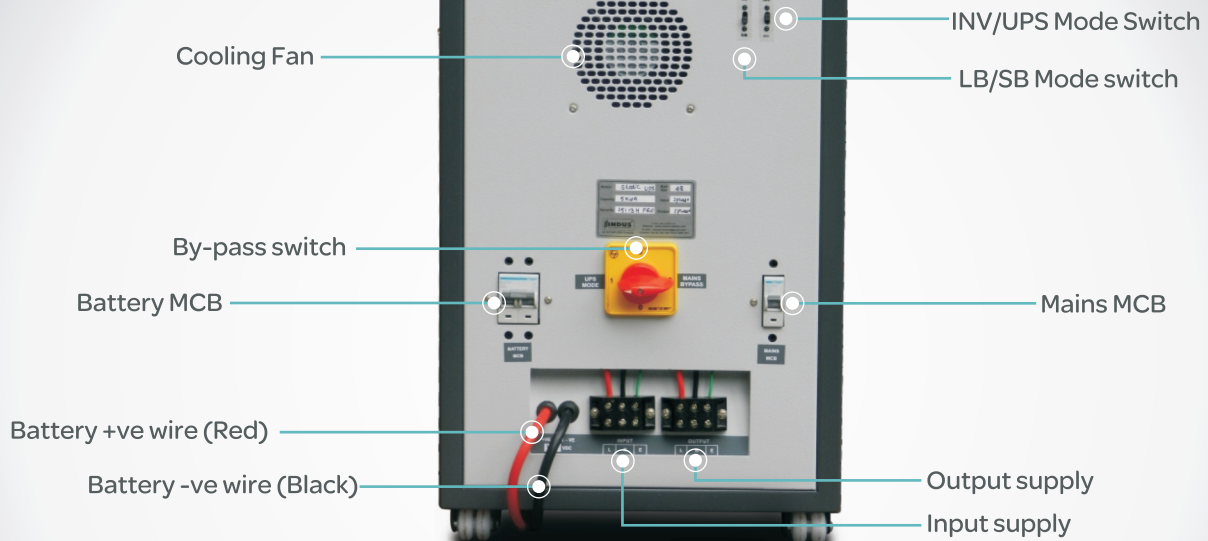
Welcome Message, Capacity,
Output Voltage & Output Frequency,
Input Voltage & Input Frequency,
Battery Voltage & Load Percentage,
Battery Charging, Battery Charged & All Protections

Model Specifications

Capacity	2.5 KVA	3.5 KVA	5 KVA 48 VDC	5 KVA 96 VDC	7.5 KVA	10 KVA	12 KVA
Net Weight	31 kg	34 kg	49 kg	51 kg	70 kg	77 kg	82 kg
Gross Weight	34 kg	37 kg	53 kg	56 kg	75 kg	82 kg	87 kg
Without Packaging LxWxH (mm)	315x315x520	315x315x520	365x365x570	365x365x570	435x357x713	435x357x713	435x357x713
With Packaging LxWxH (mm)	440x440x620	440x440x620	485x485x670	485x485x670	565x480x515	565x480x515	565x480x515

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Rear Panel Structure



Load Chart

Application	Load	3.5 KVA	5 KVA	7.5 KVA	10 KVA	12 KVA
Corporate Office	A.c. +		1	1	2	2
	Fan+	18	8	12	16	20
	Tube Light	15	8	12	16	20
Cyber Café	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
Petrol Pump	Fan +	1	4	5	5	5
	Tube Light +	2	4	5	8	8
	Petrolfill machines	1	2	3	4	5
Institutions	Fan+	18	35	55	70	75
	Tube Light	15	20	35	40	50

We also manufacture
DSP Sine Wave Ups | Tubular Batteries | Solar Inverters | Solar Batteries

Manufactured By

Indus Instruments Pvt. Ltd.

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