

The High Frequency IGBT/ Mosfet based ONLINE UPS/ Line Interactive UPS SYSTEMS (UP TO 40KHz) from **Venus UPS** are fully isolated by double conversion & isolation transformer, specially designed for most adverse Indian Power Conditions.

Venus UPS Systems provides, complete System Protection for your computers and its peripherals with battery backup, even in the most challenging power environments.

Features Designed for Rough Unstable Power Environments for Highest Performance.

TECHNICAL SPECIFICATIONS

INPUT

Voltage	Frequency
230V ±25% Single Phase 415±25% Three Phase or Any voltage range as per requirement	50Hz 6% 50Hz ±6% can also work in generators

OUTPUT

Output Voltage	230V AC Single Phase or 415 Three Phase
Adjustable Range	±10VAC
Voltage Stability	±1% for DC input variation & output load variation
Frequency	50Hz ± 0.005Hz (Crystal controlled) 60Hz ± 0.006 Hz or any optional frequency.
Waveform	Pure sine wave
Harmonic Distortion	≤ 3%
Overall Efficiency	≥ 93% for 360V DC & above ≥ 90% for 180V DC ≥ 85% for 48V DC/72V DC
Power Factor	0.8 lagging to unity.
Overload	110% for 10 minutes 200% for 5 Cycle 400% for 1/2 cycle or as per customer's requirement
Crest factor	≥ 3:1
Transient recovery	Within 3 cycles.
Phase displacement for 3phase output	120° ± 1°
Audible Noise	Less than 45 db at 1mtr. up to 10KVA Less than 50 db at 1mtr. above 10KVA
Environmental	
Temperature	0°C to 47°C
Humidity	20% to 90% (Non-condensing)

Optional Features:

- Static by pass switch
- Auto File Shut down
- Remote indicator Panel
- Serial RS232 Interface
- Remote on/off panel
- Microprocessor based
Digital metering

Quality above the vest, Services above the best.

Intelligent Battery Management offers maximum runtime, charging and discharging of Valuable. SMF Batteries in accordance with manufacturers guideline to maximize the battery life.

SELF TEST & DIAGNOSTIC FEATURES

An electronic circuit with digital logic continuously searches for following faults & trips the system with Audio Visual indication.

- Battery over Voltage.
- Battery under Voltage.
- Battery AC over Voltage.
- Output AC over Voltage.
- Output overload/short circuit.
- Phase fail for three phase models.

INDICATORS

- Load on Mains
- Load on Batteries
- DC Over Voltage
- AC Over Voltage
- Output ON
- DC Under Voltage
- AC Over Load

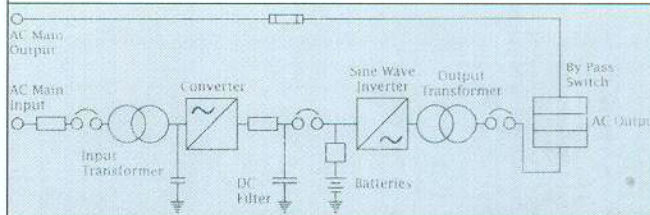
Other Products

- Float cum Boost Chargers
- Auto. Voltage Stabilizer
- Servo-Voltage Stabilizers
- Sine wave/Square Wave Inverters

OFF LINE UPS Technical Specifications*

Power handling Capacity	500VA / 600VA / 650 VA / 800VA / 1000VA
Phase	Single Phase
Input Operating Range	160V-280V /140 V-300V, 50Hz ± 5%
Output on Battery mode	230V ± 10%, 50 Hz ± 1%
Wave Form	Sine wave output when AC Stable Voltage Modified/Sine wave/Squar wave output when inverting
Transfer Time	3 - 7 m.s (typical)
Recharging Time	4-8 Hours 90% Charge
Battery Protection	Overcharge / Deep Discharge
Temperature / Humidity	0°C-48°C / <95% RH (Non-Condensing)

*Specifications are subject to change without prior notice.



Venus™

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(AN ISO 9001 : 2000 CERTIFIED COMPANY)

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