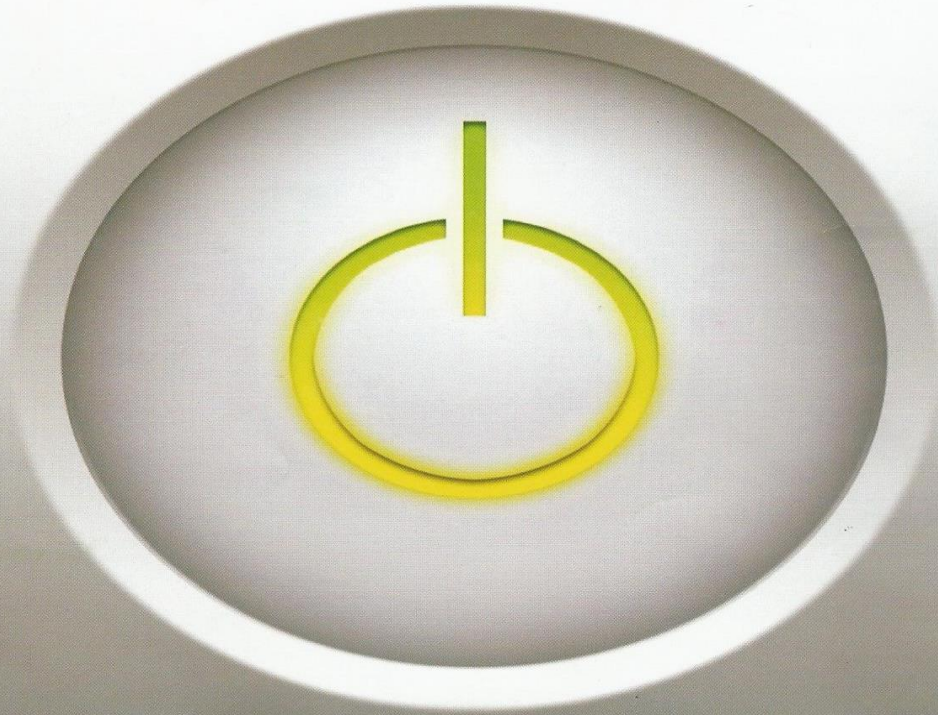




PULSETECH
empowering the power

**YOUR NO.1
POWER HOUSE**

Giving Power to Your Life and Lifestyle



Pulsetech

Online UPS

The continuous supply of quality power is critical to commercial & industrial process installation. A power failure or even minor disturbances in the power supply will interrupt the process chain and eventually result in system shutdown. This could cause substantial financial losses. The key function of the UPS system is therefore the protection of electrical power supplies of installations which cannot tolerate even the slightest voltage interruption or inconsistencies.

Many factors must be considered when choosing a UPS system. Cost benefit considerations often times outweigh the ability to undertake the task for which the system is required. While it may be acceptable to make compromises in non-critical applications, in critical ones this could have catastrophic consequences.

PulseTech UPS technology is based on the following key technical criteria:

- **Double Conversion-UPS**

First converts the alternating current (AC) from the mains into direct current (DC) and then converts it back to AC again to ensure perfect stable and filtered sinusoidal output in terms of voltage & frequency.

- **Modular Design**

Consists of galvanic isolated transformer, inverter rectifier & static switch modules. This design offers the highest flexibility in terms of configuring input DC and output voltage parameter. Most importantly rectifier and inverter modules can individually be sized according to requirement.

- **Frequency synchronization**

Input phase of input voltage and output phase of output voltage both are properly synchronized and these features will help in reducing spikes surge in to output.

- **Widest input voltage range**

To operate on mains mode at voltage as low as 150V to provide conditioned supply during long brown out conditions. Batteries are used only when absolutely necessary maximizing available backup time and extending battery life.

- **Input power factors correction**

Power factor correction up to 0.95 to reduce current drain from utility resulting in saving of electricity bills and minimizes input current harmonics thus requiring reduced generator capacity further saving in cost.

•Generator Compatibility

Will help the UPS to work on mains with the generator supply in case of more frequent failure of mains. This will give no hindrance work for customer.

Applications :

•Personal computers, Small IT Network, Local Area network(LAN), Workstations, Data Centers, Electrical Medical Equipment, Telecommunication Equipment, ATM Machines.

Technical Specifications

Rating	1 KVA to 10 KVA 3.0 KVA to 30 KVA 5.0 KVA to 120 KVA
AC Input Voltage	150 V - 280 V(2 wire) 300 V - 460 V(3 wire/ 4 wire)
Output Voltage	220 V +- 1% (230 V +- 1%, Single Phase) 415 V +- 1% (400 V +- 1%, Three Phase)
Switching frequency: Waveform: Output Power Factor: Inverter Efficiency: Distortion: Overall Efficiency: Noise: Charging Voltage: Transfer Time: Operating Temperature: Input Power Factor:	Above 10KHz Pure Sine Wave 0.6 to 0.8 (3.54 Amp pr KVA) >85% <2% for linear load, <5% for non-linear load >80% <=55db at 1.0 mtr 2.23 to 2.5 vpc (voltage per cell) 0 ms 0 top 50 'c, 95% RH(Maximum) >=.90
Display: (Digital LCD)	DC Current Frequency AC voltage (Input/Output)

	DC voltage Load in %			
Indications	Charger Mains UPS Overload Battery Trip Output ON	ON	/	Power ON Low
Alarms	Continuous beep with LED glow on battery low on overload.			
Protections	Battery Output Input/output DC Overshoot/Undershoot Output over voltage trip.	under/over		voltage. overload. short-circuit. short-circuit. recovery within 30 ms.

