

THINK WHATS BEHIND YOUR **POWER** STABILITY



PUREVOLT

AN ISO 9001 - 2000 COMPANY

**complete
power
solution**

IGBT ON LINE UPS SYSTEM

Range Available : 1 KVA to 60 KVA

SINGAL PHASE / THREE PHASE

Computer Grade Line

Conditioning with Isolation

Superior full time isolation is built into all "PUREVOLT" UPS. Output is fully isolated by double conversion & isolation transformer. No need to have extra isolation transformer as required for Imported Systems. Remote Monitoring & Control through SNMP / Internet.

PUREVOLT UPS are available in following configuration :

- v Stand Alone True Online UPS.
- v Single Phase Input / Output.
- v Dual Redundant Hot Standby types UPS.
- v Parallel Redundant load sharing type UPS.

Complete Blac kout and Brownout Protection

According to Study by Bells Labs, under voltage & sudden dips represent the majority of power problem. Wide Input range & Online design of "PUREVOLT" UPS prevent data loss caused by outages and brown outs.

Network Interface Port

Provided the security of an automatic shut down to all major network operating systems including Novells, Window NT/Window, Unix etc.(Optional Kit may be required).

Salient Features :

- v Wide Input Window
- v Generator Compatible
- v Computer Grade Power
- v Soft Start Facility.
- v Eprom / Micro Controller Design.
- v Float Cum Boost Charger.
- v IGBT Based Hi - Frequency PWM inverter.
- v Distortion <3%.
- v Inverter Efficiency >92%
- v High crest factor > 4 : 1.
- v Crystal controlled output frequency 50 Hz \pm 0.01%
- v Low noise < 50 db upto 10 KVA.
- v Compact, sleek design.
- v Unlimited backup.
- v Computer Interface.



PUREVOLT PRODUCTS PRIVATE LIMITED

PUREVOLT IGBT ON LINE UPS SYSTEMS

AC INPUT PARAMETERS

AC Input Voltage

a) 230V - 20% + 15% Single Phase or any Voltage Range as per Customer requirement

Frequency

a) 50Hz \pm 10%

Can also Work on Generators

Optional Features :

- w Static by Pass Switch
- w Remote On / Off Panel.
- w Auto File Shut Down.
- w Serial RS 232 Inerface.
- w Remote Indicator Panel.
- w Microprocessor Based Digital

AC OUT PARAMETERS

- | | |
|------------------------|---|
| a) Output Voltage | 230V AC Single Phase |
| b) Adjustable Range | \pm 10V AC |
| c) Voltage Stability | \pm 1% for DC Input Variation & Output Load Variations. |
| d) Frequency | 50 Hz \pm 0.05 Hz (Crystal Controlled) or 60 Hz \pm 0.06 Hz or any Optional Frequency |
| e) Waveform | Sinewave |
| f) Harmonic Distortion | Less than 3 % |
| g) Efficiency | > 93% for 360V DC & Above
> 90% for 180V DC
> 85% for 48V DC/72V DC |
| h) Power Factor | 0.8 Lagging to Unity |
| i) Overload | 110% for 10 minutes.
200% for 5 Cycles. 400% for 1/2 Cycles.
or as per Customer's Requirement |
| j) Crest Factor | > 4 : 1 |
| k) Transient recovery | Within 3 Cycles. |
| l) Audible Noise | Less than 55 db at 1 metre upto 10 KVA
Less than 60 db at 1 metre above 10 KVA |

Self Test & Diagonistic Features

An electronics circuit with digital logics continuously searches for the following faults & trips the system with audio - visua indication.

- a) Battery Over Voltage.
- b) Output Under Voltage.
- c) Output Overload / Short Circuit.
- d) Output AC Over Voltage.

Indicators

- w Mains on. w Load on batteries.
- w Battery low. w Inverter overload.
- w Load on Mains. w Battery boost.
- w Battery Level graph w Load Level geaph.

Ambient conditions

- a) Operating - 0°C - 50°C.
- b) Relative - 0°C - 60°C.
- c) Operating Altitude upto 2000 meters.
- d) Relative Humidity - 95% RH.

Metering

Digital metering available for output voltage / battery voltage / battery current output frequency or any other as per requirement.

OTHER PRODUCTS :

- SERVO VOLTAGE STABILISERS
- CUSTOM BUILT TRANSFORMERS
- AUTO TRANSFORMERS (VARIACS)
- AUTOMATIC VOLTAGE STABILISERS
- ISOLATION TRANSFORMERS
- CVT
- POWER INVERTERS

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