

ACPL

The Name Of Power People

Introduction : ACPL is one of the fastest growing Indian Company (IC) and has been rendering services in the power conditioning equipments industry since 1995. ACPL are providing state-of-the-art double conversion type UPS system using high frequency PWM technology. using IGBT as the main switching device for Inverter are technically superior UPS system.

The ACPL On-Line UPS system provides Pure Sine Wave and protects its user equipments from impurity of input power supply like sags, surges, voltage variation, frequency variation, blackouts, brownouts, spikes etc. ACPL range of UPS system are designed and engineered by a team of young, energetic technocrats people having wide experience in the field of power conditioning equipments.

ACPL On-Line UPS system is compact with a very good workmanship and users friendly. It is very easy in installation, operation, simple in maintenance, most reliable and compatible with severe Indian power supply and local make DG set.

Salient Features :

- True On-Line double conversion UPS system.
- High frequency PWM designed using IGBT.
- Wide Input Voltage range.
- Generator compatible.
- Float cum Boost charger.
- Compact and excellent workmanship.
- Compatible for all type and capacity of batteries.
- Smooth and silent operation.
- Soft start facility.
- Short circuit/over load protection.
- Easy in installation and maintenance.
- Maximum return of investments in form of quality UPS and after sales services.
- Peace of mind forever.

1 KVA - 200 KVA



Applicaton :

- * Large and small computer installation.
- * Industrial Automation.
- * Banking Server and terminals.
- * Communication systems.
- * Medical Diagnostic equipments.
- * Power connection station.
- * Pre-press and printing equipments.
- * Embroidery machines.
- * Colour lab. machines etc.

Advantage :

- * Latest Technology.
- * More Reliable.
- * Immediate response of Pre-sales and post sales Services.
- * High value return of your investment.

Optional :

- * Static/Manual Bypass
- * Parallel Redundancy.
- * Computer Interface RS-232/SMMP.
- * Mains synchronization.
- * Battery cabinet.
- * Remote Panel.

TECHNICAL SPECIFICATIONS

**AN ISO 9001 : 2008 & 14001:2004
CERTIFIED COMPANY**

INPUT PARAMETER

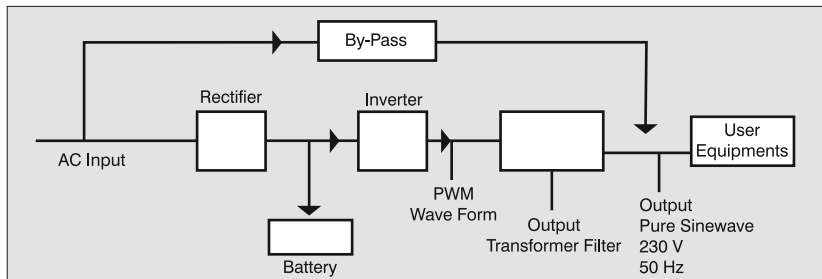
Voltage	230V AC Single Phase/415V AC Three Phase
Voltage Range	160-285V AC Single Phase/330 to 470V AC Three Phase
Frequency	50 Hz + - 10% (45 - 55 Hz)
Power Factor	.95-.99 (at rated O/P load) with power factor correction circuitry (optional)
Battery	Battery type voltage, AH and quantity depending on customers choice and Back-up time (48-360) VDC depending on rating

OUTPUT PARAMETER

Voltage	220-230 VAC \pm 1%
Frequency	50 Hz \pm 0.01% Free running mode
Power Factor	0.6 lagging to unity
Over load capacity	120%/ 110% for 10 min., 150%/ 125% for 60 sec., 200% For half cycle
Wave form	Pure sine wave
THD	< 2% For linear load
Transient Voltage	< \pm 5% for 100% step load change
Transient Recovery	within 10msec (cycle)
Crest factor	3:1
Peak Inverter efficiency	95%
Peak overall efficiency	93%
Transfer time	NIL
Technology	
(a) Inverter	PWM IGBT based
(b) Switching frequency	20khz
(c) Charger	Float cum boost charger (CVCC type) Forced Air Type
Cooling	Forced Air Type
Protection	Over load, short Circuit, Over / under voltage, battery overcharge, deep discharge, over heat MCB for input mains and battery
Indication	UPS on mains, UPS on battery, battery low, output on load on UPS, load on bypass, overload, fault.
Display	AC Input voltage, AC output voltage, Battery voltage, Load% Output Frequency, Battery Charging, Battery Charged.
Alarms	Audible alarm on over load, short circuit, battery low mains fail. mains over/under voltage, over temperature,
Overload behavior	During over load UPS will alarm and shut-down and By-pass with static switch.
Environmental condition :	
(a) Ambient Temperature	0-50°C
(b) Operating	0 - 45°C
(c) Storage	20 to 60°C
(d) Humidity	98% RH non condensing
(e) Acoustic Noise	<40 dB at 1.5 mete
Optional	Static bypass, Battery Cabinet, Remote Panel. Digital Metering, Parallel redundant Combination communication interface RS. 232 port for software interface/SNMP interface.

Dimension and Weight

Rating	H x W x L (in mm)	Weight (in Kg)
1 KVA	410 x 260 x 585	45 kg
2 KVA	410 x 260 x 585	50 kg
3 KVA	450 x 290 x 610	62 kg
5 KVA	500 x 305 x 660	69 kg
7.5 KVA	560 x 380 x 760	85 kg
10 KVA	560 x 380 x 760	102 kg



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