

ACPL

The Name Of Power People

The **ACPL** Sine wave Inverter indigenously designed and developed for the Severe power crises management through combination of state-of-the-art technology / components. Its wide range of capacity from 500VA to 50KVA are available.

This understand and copes with vagaries of Indian power condition more completely, then its other counter parts.

The **ACPL** INVERTER built by using building blocks (PCBs) which always gives proper power by Dynamic Power synthesis. However it combines the High EFFICIENCY OF PWM SYSTEM, compatibility of MOSFET/IGBT and best chip controlled protections.

As we know in Inverter, we use Batteries as FUEL. So it is very important to save FUEL. **ACPL** Inverter has an unique CV-CC charger through thyristor/ SMPS based technology, which protect the Batteries from Deep discharge & overcharge. This enhance the life of Batteries.

In case of power failure you will get noiseless power through Inverter automatically with all protections like overload, short circuit & Deep discharge of Batteries etc.

Our existing Inverters are being supplied and working across the country to the Department of Railways, Banks, Corporation, offices and Industries successfully.

We are committed for giving quality product & prompt services to the customers with in best possible minimum time.



Advantage :

- * Latest technology.
- * More reliable.
- * Longer Battery Life.
- * Low maintenance cost.
- * Immediate response of customer care.

Features :

- * True Sine wave.
- * High frequency PWM design.
- * IGBT used as a switching device.
- * CV-CC / SMPS charging.
- * High low voltage protection.
- * Short circuit protection.
- * Easy to service.
- * Cost effective.
- * Echo friendly.
- * User friendly.
- * Solar photovoltaic module compatible.

Application :

- * Light and Fan.
- * AC, Refrigerator & Geezer.
- * Motor of Water pumps and Petrol pumps.
- * Enhance longer back-up time for small UPSs.

AN ISO 9001 : 2000 & 14001:2004 CERTIFIED COMPANY

Technical Specifications

1. Input voltage : 230VAC, 1 Phase, 50Hz / 415VAC, 3 Phase, 50 Hz.
2. Input Range : 160V to 270V (Single Phase) & 320V to 460V (Three Phase)
3. Battery Voltage : 12V to 360V DC (Number of batteries, and capacity depending on required back-up time)
4. Output Voltage : 220V \pm 1% (Single Phase) 400V \pm 1% (Three Phase)
5. Output frequency : 50 Hz \pm 2%
6. Power factor : .8 Lagging
7. Wave form : Pure Sine wave
8. Efficiency : >80% for up to 2KVA & >90% for above 2 KVA.
9. Technology : Micro controlled PWM with IGBT
10. Switching frequency : 6.4KHz / 19.2 KHz
11. Cooling : Forced air type.

Protections :

1. Low Battery Shut down.
2. Over load shutdown.
3. Battery Over charge and deep discharge protection.
4. Fuse protection for power components.

Alarms :

1. Low Battery Beep.
2. End of discharge, continuous beep.
3. Over load beep.

Indications :

1. Mains Normal.
2. Inverter ON.
3. Charging.
4. Low Battery.
5. Over load.

Display :

LCD for Input, Output parameters reading

- i) AC Input Voltage.
- ii) Battery Voltage.
- iii) AC Output Voltage.
- iv) Output load percentage.
- v) Mode of operation i.e. load on mains, load on Battery.
- vi) Battery Charging.

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