



# PC-AC UPS

Be it your office or home, give your sensitive gadgets, PCs, home theatres and other electronic gadget the **extra 35% life.**



**5KVA**

**SOLAR COMPATIBLE DESIGN**

**UPS with digital mains voltage conditioning** using zero voltage switching. **Extends the life of your load** and the uptime of your process by 35% as compared to conventional inverter or static UPS.

- Desktop PCs    Lights
- Computer Labs    Grinder
- Treadmills    AC    Fans
- Photo Copiers    LED TV
- Diagnostic Equipment
- Mixer    Home Theatre

With Zero transfer time, PC-AC UPS is a perfect substitute for Online UPS and saves approximately 30-40% of electricity charges in comparison.

The commercial available static UPS has no AVR, and hence it bypasses high voltage to the range of 260VAC, which will lead to the premature failure of connected loads.

PC-AC UPS will significantly improve your equipment's reliability, virtually eliminating power-related downtime and dramatically increasing quality of life & productivity.

Considering the investment on such equipment mains voltage conditioning is a basic feature.



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**NSIC**  
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**ICSI**  
REGD. CHARTERED ACCOUNTANTS  
R091/2926  
ISO 9001-2008

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**1Ø Input - 1Ø Output**

|                            |  |           |
|----------------------------|--|-----------|
| <b>CAPACITY</b>            | <b>5 KVA</b>   |           |
| DC BUS                     | 72V  |           |
| INPUT                      |  |           |
| Input Voltage              | 230V   |           |
| Input Voltage Window       | 160-270V   |           |
| Input Frequency            | 50Hz ± 10%   |           |
| OUTPUT                     |  |           |
| Transfer time              | Mains to Inverter  | Zero msec |
|                            | Inverter to Mains  | Zero msec |
| Voltage on Mains           | 220V ± 10%   |           |
| Voltage on Inverter        | 230V Single Ø ± 1%                                       |           |
| Power Factor               | 0.8 Lag  |           |
| Frequency on Inverter mode | 50Hz ± 1 Hz  |           |
| Waveform on Inverter mode  | Pure Sinewave  |           |
| Over Load Capacity         | 100% Continues-125% - 1 Minute                           |           |
| Transient Response         | Remains within +/- 5% & recover to normal within 20 msec |           |
| Nominal output current     | 17.4 A   |           |
| Mode of Operation          | Designed for Continuous operation                        |           |

**EFFICIENCY**

|                               |   |
|-------------------------------|---|
| Efficiency - On Inverter Mode | >85%  |
| Charger Type                  | CVCC  |
| Charging Current Standard     | 1-6 A   |
| Higher charging current       | Provided on request                           |
| Acoustic Noise level          | <60db @ 1.5 meter                             |
| Operating ambient Temperature | 0 to 40°C                                     |
| Humidity                      | Up to 95% RH Non condensing                   |
| Altitude                      | <3000 Feet above sea level (without derating) |

**PHYSICAL**

|   |   |
|---|---|
| Enclosure Protection                            | IP-20   |
| Cooling   | Forced Air  |
| Cable Entry                                     | Back side bottom  |
| Dimensions in mm - D H W & Weight (Approximate) | 510 x 540 x 200 / 40Kg  |
| LED Indications                                 | • Mains on • Charger on • Inverter on • Battery Low • Trip  |
| LCD Indications                                 | • Input Voltage • Output Voltage • Battery voltage • Load Current   |
| Protections                                     | <ul style="list-style-type: none"> <li>Advanced Electronic Protection for device safety, backed up with MCB's &amp; fast acting fuses, high speed pulse by pulse electronic device protection</li> <li>Over voltage/ under voltage protection</li> <li>Over Temperature Protection</li> <li>Battery deep discharge</li> <li>Mains high &amp; low cut</li> <li>Short circuit &amp; over load trip</li> <li>High voltage transient protection &amp; ESD protection</li> </ul> |
| Feature   | Sinewave UPS with AVR for computer & Lighting load  |
| TESTING STANDARD                                | As per IEC 62040-3  |

\*Specifications are indicative to our standard models subject to change without notice.

**DONVEY POWER CONTROL SYSTEMS (P) LIMITED**

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