



High conversion efficiency

Active SHUNT **UPS** 101

for Office | Schools & Colleges | Hospitals

Saves approximately 35% - 40% of electricity bills using Intelligent Electronic Grid Compensation technique.

“Protects data, equipment & productivity”
from power fail, low voltage and high voltage.

Applications

Smart class, PCs, Server, Photo copiers, Printers, Lights, OHP, Camera, Fans, TV, Inverter AC etc.

Range

5KVA - 4 batteries / 6KVA - 6 batteries

7KVA - 6 batteries / 10KVA - 10 batteries

Works like an Online UPS,
without double conversion losses.

◆ Mains voltage conditioning

Extends the life of connected gadget by 35% in comparison to off-line UPS/inverters.

◆ Zero-change-over-time



www.ArviUPS.com

Specialised in industrial UPS since 1998

1Ø Input - 1Ø Output

| CAPACITY | 5 KVA | 6 KVA | 7KVA | 10KVA |
|----------|----------|-------|------|--------|
| DC BUS | 48 / 72V | 72V | 72V | 120VDC |

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 | 20.84 A | 24.34 A | 34.8A |
| Mode of Operation | Designed for Continuous operation | | | |

EFFICIENCY

| | |
|-------------------------------|---|
| Efficiency - On Inverter Mode | >85% |
| Charger Type | CVCC |
| Charging Current Standard | 1A-20A |
| 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 45Kg | 510 x 540 x 200 45Kg | 510 x 540 x 200 50Kg | 660 x 670 x 240 62 Kg |
| 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"> • Advanced Electronic Protection for device safety, backed up with MCB's & fast acting fuses, high speed pulse by pulse electronic device protection • Over voltage/ under voltage protection • Over Temperature Protection • Battery deep discharge • Mains high & low cut • Short circuit & over load trip • High voltage transient protection & ESD protection | | | |
| 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.

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