

Backing You Up,
Everywhere



Solutions for every industry



CNC MACHINES



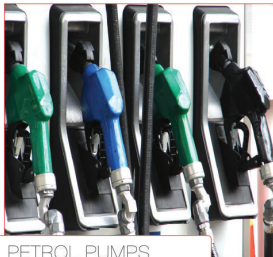
ATM MACHINES



SOLAR UPS



CALL CENTERS



PETROL PUMPS



SEWING MACHINES



MRI MACHINES



IT COMPANIES



AC DC PUMPS



DENTAL CHAIR &
COMPRESSORS

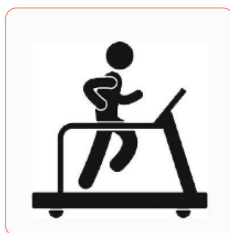


DATA CENTERS



HOSPITALS

OUR SPECIALIZED PRODUCT



GYM UPS



UPS SYSTEM FOR
LIFTS



UPS SYSTEM FOR
PETROL PUMPS

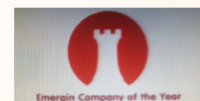


UPS SYSTEM FOR
HOSPITALS

AWARDS & CERTIFICATIONS



EXCELLENCE AWARD



SOLAR PCU

1KVA 100KVA



Technology

MPPT technology

| | | | |
|----------|--------------------|----------------------|----------------------|
| Rating | 1 Ø i/p-1 Ø Output | 1 Ø Input-1 Ø Output | 3 Ø Input-3 Ø Output |
| Capacity | 3KVA-4KVA | 5KVA-10KVA | 20KVA-100KVA |
| DC BUS | 48V-72V | 96V/120V/192V | 192V-360V |

Solar Input

| | | | |
|-----------------------------|-------------------------------|-----------|-----------|
| Operating MPPT Voltage | 12V-150V | 144V-180V | 180V-325V |
| Maximum Panel Current | 10A-100A | 30A-50A | 50A-300A |
| Reverse Polarity Protection | Short Circuit Diode | | |
| Back Feed Protection | Protected Using Reverse Diode | | |
| MPPT Efficiency | 96%(Peak) | | |

Battery

| | | | |
|-----------------------------|-------------------------|-------|-------|
| Battery Type | SMF/ Tubular | | |
| Charger Type | Boost Cum Float Charger | | |
| Charging Current Solar Mode | 0-55A | 0-50A | 0-50A |

Protections

- I/P Low Voltage/High Voltage * Over Temperature
- Battery Low *Over Load *Short Circuit

Output

| | | | | |
|-----------------------------|---|-----------|----------------------------|-------|
| Transfer Time | Mains To Inverter | >20 ms | | |
| | Inverter To Mains | >20 ms | | |
| Voltage On Mains | 180V-250V | 180V-250V | 400v-10% | |
| Voltage On Inverter | 230V/50Hz | 230V/50Hz | 400V ph-ph:230V ph-Neutral | |
| Regulation | Balanced Load | (±)1% | (±)1% | (±)1% |
| | Unbalanced Load | N.A | N.A | (±)2% |
| Unbalanced Load Phase Shift | N.A | N.A | 120+-0.5 | |
| Over Load Capacity | 125%-1 Minute:150% 10 Seconds | | | |
| Inverter Protection | 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, Electronic over current trip. | | | |

Alarms

- Mains Failure
- Battery Low
- Over Temperature

Efficiency

| | | | | |
|----------------------|------------------|------|---------|---------|
| Efficiency@100% Load | On Inverter Mode | >85% | >85-90% | >85-92% |
| | On Mains Mode | 98% | 98% | 98% |

Multifunctional Solar LCD Energy Meter

| | |
|--------------------------------|---|
| Indicates Following Parameters | <ul style="list-style-type: none"> • Solar Voltage • Solar Current • Solar Power • Solar Energy Generated • Input Voltage • Output Voltage • Battery Voltage • Load Current |
|--------------------------------|---|

Enclosure Protection

IP-20

Environmental

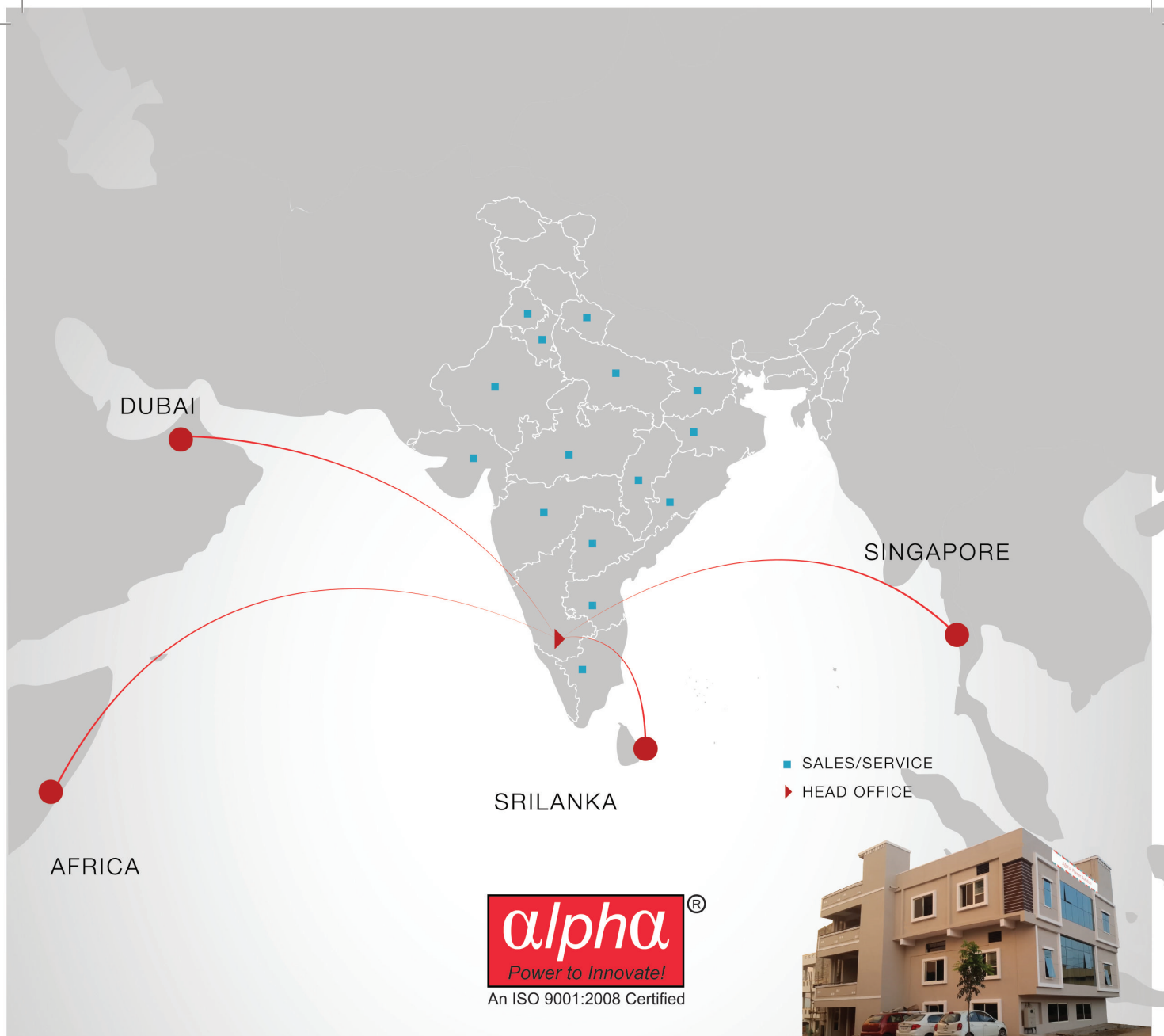
| | |
|-------------------------------|------------------|
| Acoustic Noise Level | < 60db@1.5 meter |
| Operating Ambient Temperature | 0 to 40 deg C |

Utility Power Input

| | | | |
|----------------------|----------|----------|-----------|
| Input Voltage | 230V-10 | 230V-10 | 30-4 Wire |
| Input Voltage Window | 170-270V | 170-270V | 330-470V |

TESTING STANDARD

As per IEC 62040-3/IEC 61683



Alpha Power Solutions

Head Office

No,3662 & 3663, 5th Cross, Gayathrinagar,
Bangalore - 560 021,
Ph: +91-080 - 23322500 | 23326465
Email: alphapowersolutions@gmail.com

Unit 2 : No.23, 1st floor, 2nd cross, Nanda
Gokula Industrial area, Tigalarpalya, near
peenya 2nd stage, bangalore-560058

Unit 1

No 3644 & 3645, 4th Cross, Gayathrinagar,
Bangalore - 560 021,

Unit 3 : No.23, 4th floor, 2nd cross, Nanda
Gokula Industrial area, Tigalarpalya, near
peenya 2nd stage, bangalore-560058

Statutory Notice:

All batteries contain lead, which is harmful for humans & environment. As per statutory requirements, the used battery must be returned to the authorized dealer, manufacturer or at the designated collection centers.

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