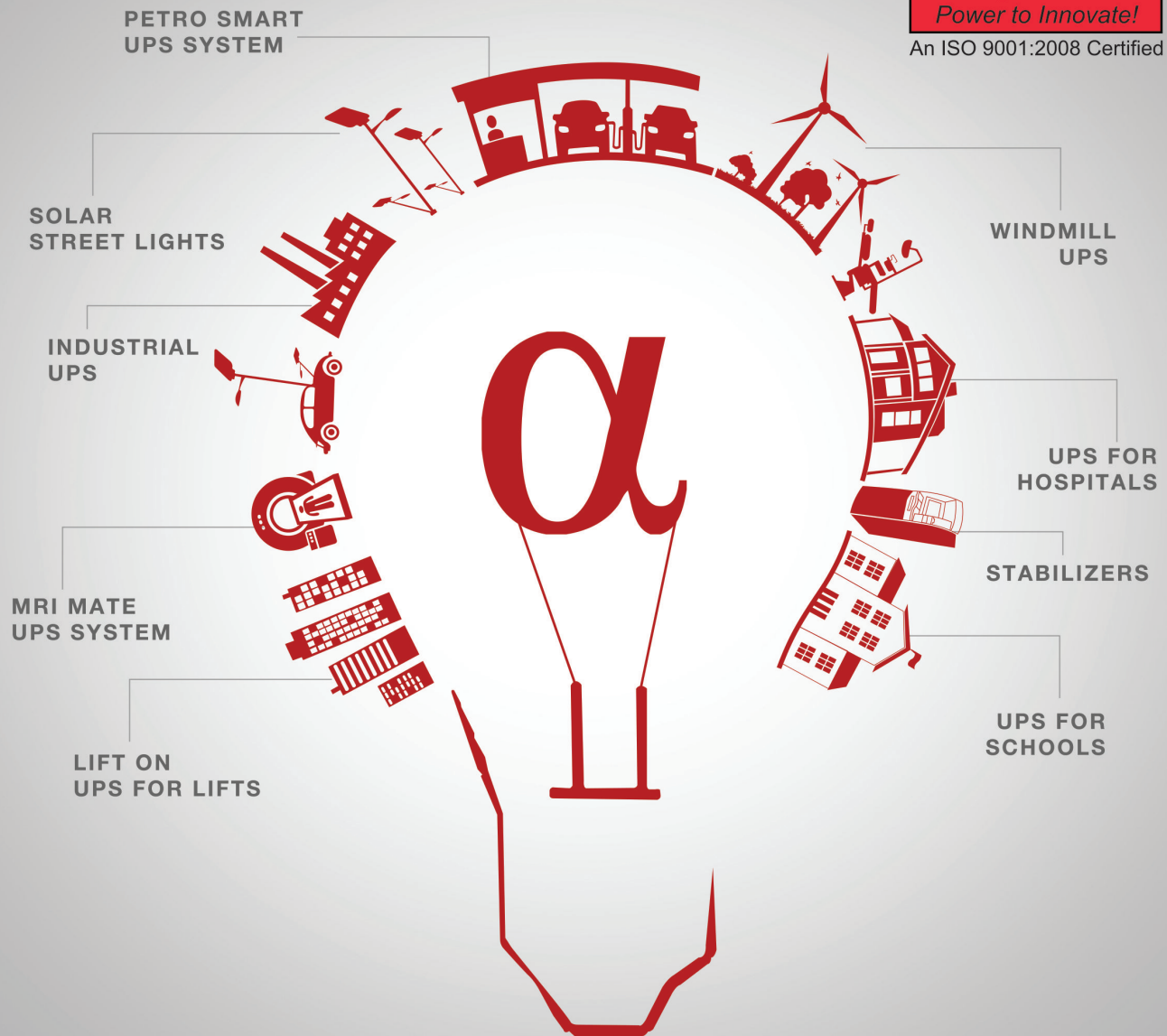




Backing You Up,
Everywhere



Solutions for every industry



CNC MACHINES



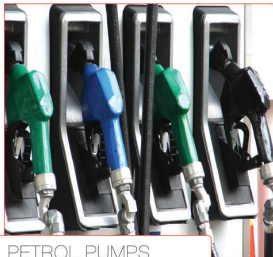
ATM MACHINES



SOLAR UPS



CALL CENTERS



PETROL PUMPS



SEWING MACHINES



MRI MACHINES



IT COMPANIES



AC DC PUMPS



DENTAL CHAIR & COMPRESSORS

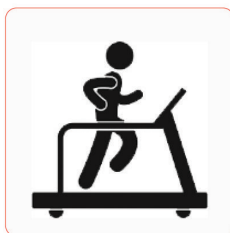


DATA CENTERS



HOSPITALS

OUR SPECIALIZED PRODUCT



GYM UPS



UPS SYSTEM FOR LIFTS

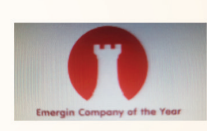


UPS SYSTEM FOR PETROL PUMPS



UPS SYSTEM FOR HOSPITALS

AWARDS & CERTIFICATIONS



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		
	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	• Solar Voltage • Solar Current • Solar Power • Solar Energy Generated • Input Voltage • Output Voltage • Battery Voltage • Load Current
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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

SOLAR UPS SPECIFICATION



UPS SYSTEMS
FOR LIFTS

Capacity

5KVA – 7.5 KVA to 40 KVA

Technology	IGBT-PWM/Thyristor
Input	Three Phase
Voltage & Frequency	400 VAC +/-10 % 50Hz +/-5%
Output	3phase
Voltage & Frequency	400 VAC +/-1% 50 Hz +/-5%
Static Voltage Regulation	+/-1% of Nominal for all Variations of Line Load & +/-10% for 10-100% step Load Change
Dynamic Voltage Regulation	+or-6% for 50% step load change Alpha
Total Harmonic Distortion	Linear Load <_2.5% & Non-Linear Load >_5%
Over Load	125% for 10minutes & 150% for 1 Minute
Waveform	Pure Sine Wave
Power Factor PF (Load)	0.99
Efficiency	80-92%
Crest Factor	1 : 3

Battery

Type	External Tubular / SMF
Nominal Voltage (DC)	120 VDC, 192 VDC, 240 VDC- 360VDC
Recharge Time	8-12 Hours

Features

Standard	Overload Reset & Front Panel LCD Panel
Optional	Spike & Surge Suppressor, Inverter Bypass & Software Control/Communication /SNMP

Protection

Charger	Voltage & Current Limiter, Phase Sequence & Failure Protector & Fuse/ Circuit Breaker with IGBT/SCR Rectifier.
Inverter	Over-Voltage, under voltage & Overload cut-off & Short Circuit Protection
Battery	Battery Deep Discharge & Overcharge cut-off & HRC Fuse / Circuit Breaker

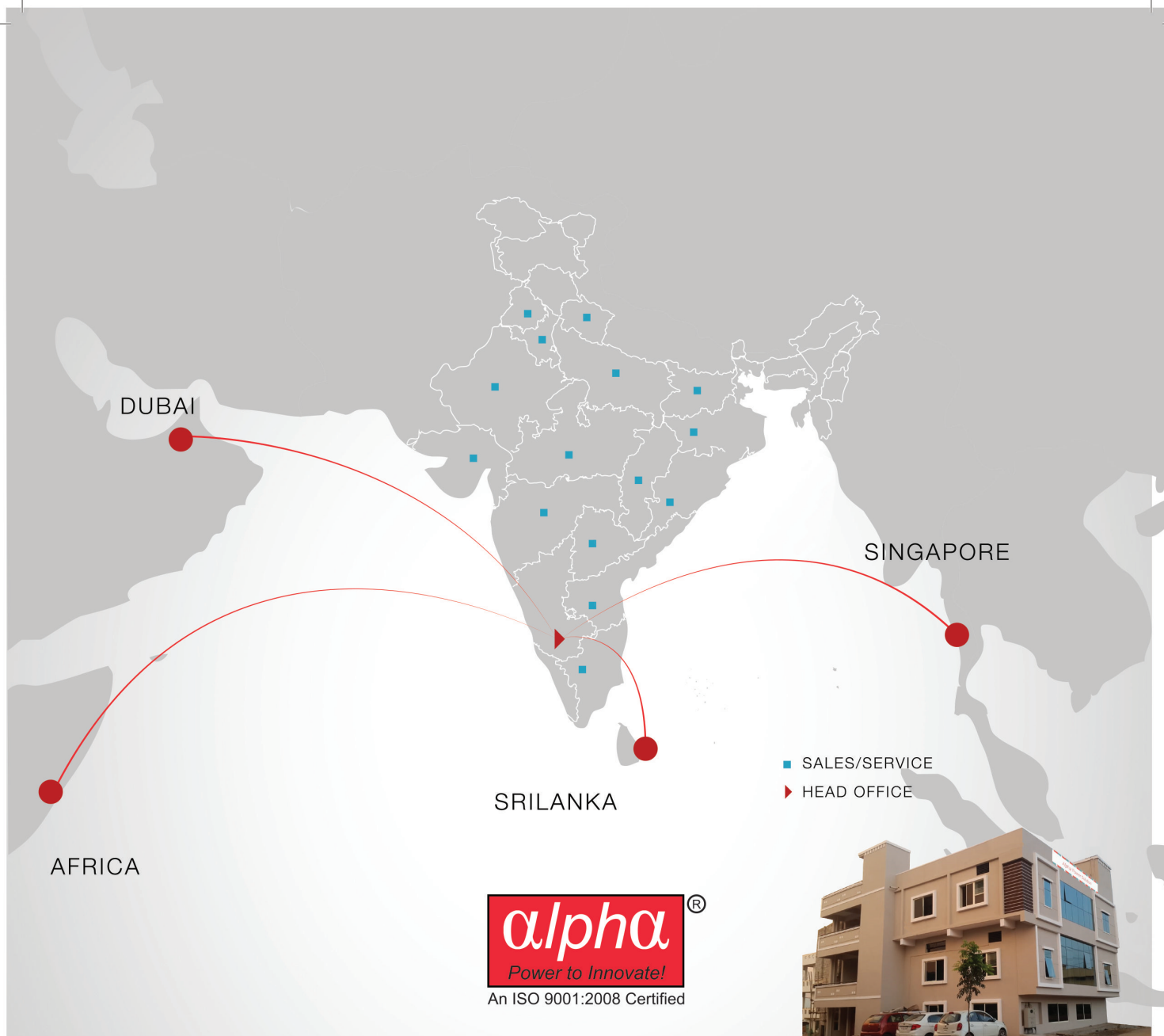
Indication

Visual	Mains, Charger, Inverter, Battery & Error Information Status
Audible	Changeover, Overload, Battery low & other Error Alerts

Environment

Altitude	0 – 2000m
Temperature	0 – 40 C
Humidity	95% Non Condensing
Noise	<60dB





Alpha Power Solutions

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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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