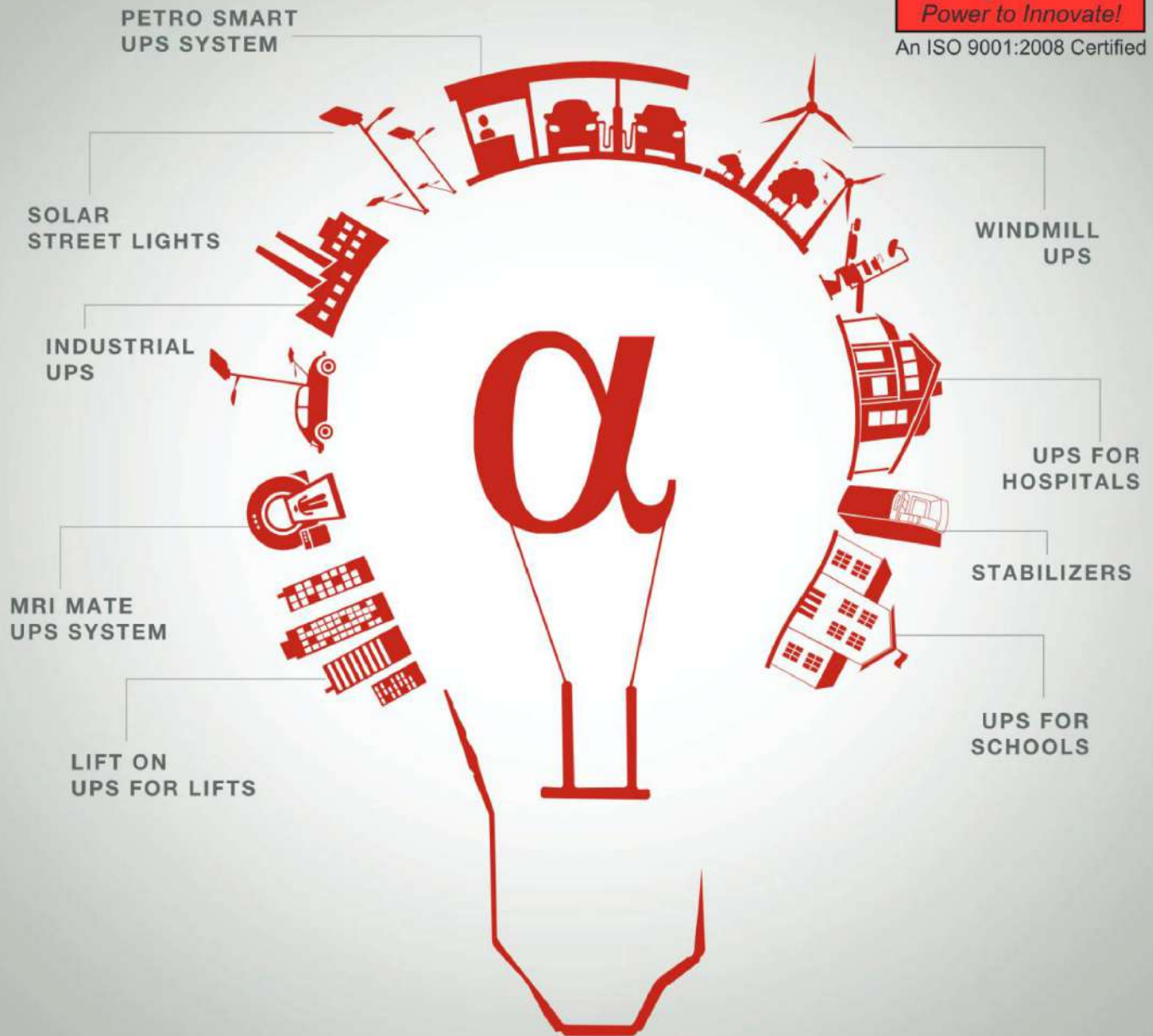




Backing You Up,
Everywhere



Solutions for every industry



CNC MACHINES



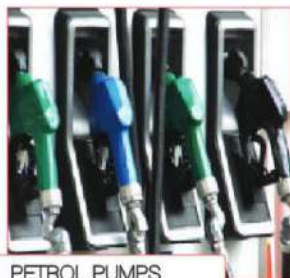
ATM MACHINES



SOLAR UPS



CALL CENTERS



PETROL PUMPS



SEWING MACHINES



MRI MACHINES



IT COMPANIES



AC DC PUMPS



DENTAL CHAIR &
COMPRESSORS



DATA CENTERS



HOSPITALS

OUR PRODUCT RANGE



Online UPS



Batteries



Stabilizers



Solar UPS



Battery Rack



Wind Mill UPS



Industrial Inverters

OUR SPECIALIZED PRODUCT



GYM UPS



UPS SYSTEM FOR
LIFTS



UPS SYSTEM FOR
PETROL PUMPS



UPS SYSTEM FOR
HOSPITALS

Alpha Power Solutions

Alpha Power Solutions. India's most admired power solutions provider, with a growing presence across India and throughout Karnataka. A truly knowledge driven company, with innovation at its heart, Alpha develops intelligent power back-up solutions, engineered to be energy efficient and thus reduce the users carbon footprint. Working further towards a cleaner, greener planet, we are branching out towards eco friendly inexhaustible energy solutions like solar power. We see ourselves as change agents in the critically important sphere of energy, working for a better tomorrow. With the vision spreading the greener energy faster, we also take care of bulk manufacturing and white collared production.

Overview



Founded in 2002



1000 plus power product range



Dealers across India



Customised CRM/ERP for effective service operations & customer relationship



1 lakh + installations



1.5 Mw of solar power installations

AWARDS & CERTIFICATIONS

MEMBER OF
NSIC
REGISTERED No.



Justdial
India's No.1 local search engine
★★★★★



STQC
Certification

Sulekha.com
Delightful discoveries. Everyday.
EXCELLENCE AWARD

EMERGING COMPANY OF THE YEAR

indiamart

OFFLINE UPS SPECIFICATION

1KVA-10KVA (1:1) Ø



Capacity	1KVA - 10KVA
Technology	MOSFET/IGBT-PWM
Input	Single Phase
Voltage & Frequency	230VAC +/-20% 50Hz +/-5%
Output	Single Phase
Voltage & Frequency	230VAC +/-5% 50Hz +/-1%
Waveform	Pure Sine Wave
Power Factor	0.98
Efficiency	>80% Over All
Battery	
Type	External Tubular / Valve Regulated Lead - Acid
Nominal Voltage VDC	12, 24, 36, 48, 72, 96, 120, 192, 240
Recharge Time	8-12 Hours
Mode of Charging	CV/CC MODE
Features	
Standard	Overload Reset & Front LCD
Optional	Spike & Surge Suppressor, Inverter Bypass & Software Control
Protection	
Charger	Voltage & Current Limiter, Auto Phase Sequence correction & Failure Protector & Fuse/ Circuit Breaker
Inverter	Over Voltage & Current Under Voltage Cut-off, 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	

STABILIZER SPECIFICATION

Standard	Confirms to latest IS-9815 & ISO 2026 standards
Rating	Upto 5000 KVA
Input Voltage Ranges	Single Phase :160V-260V, 140V-280V and 90V-270V (Can be customised) Three Phase : 270V – 460V, 250V-460V and 150V-460V (Can be customised)
Output Voltage Ranges	Single Phase : 220/230/240 ± 1% & Three Phase : 380/400/415 ± 1%
Output Perform (Optional)	110V output for imported equipments
Input Frequency	47 - 53 Hz
Response Time	Instantaneous (milisec)
Correction Speed	10 - 60V/sec (as required)
Correction Methods	Step less correction using variac
Cooling	Natural Air / Natural Oil
Efficiency	More than 98%
Duty Cycle	Continuous 24 Hrs.
Operation	Auto/Manual
No Load Loss	Less than 0.4%
Compatibility Test	Specially designed control card for faithful operation on Mains as well as DG Set
Suitability	Suitable for 100% Unbalanced/Balanced Supply & 100% Unbalanced/Balanced Loads
Operating Temperature	-15°C to 50°C above ambient

ONLINE UPS SPECIFICATION

1-10KVA (1:1) / 5-40KVA (3:1)



Capacity	1-10KVA (1:1) /	5-40KVA (3:1)
Technology	IGBT-PWM	
Input	Single Phase / Three Phase	
Voltage & Frequency	230VAC +/-10%, 50Hz +/-5%	400VAC +/-10 VAC, 50Hz +/-5%
Output	Single Phase / Single Phase	
Voltage & Frequency	230VAC +/-1%, 50Hz +/-0.5%	
Static Voltage Regulation	+/-1% of Nominal for all Variations of Line Load & +/-10% for 10-100% step Load Change	
Dynamic Voltage Regulation	-6% for 50% step load change	
Total Harmonic Distortion	Linear Load <_2.5% & Non-Linear Load <_5%	
Over Load (Optional)	125% for 1 minute & 150% for 5 Secs	
Waveform	Pure Sine Wave	
Power Factor Load	PF 0.98	
Efficiency (INV)	80-92%	
Crest Factor	1:3	
Battery		
Type	External Tubular / Battery /SMF Battery	
Nominal Voltage	48, 72, 120, 192, 240, 360 and 384 (Varies Based on the KVA)	
Recharge Time	8-12 Hours	
Mode of Battery Charging	CV/CC mode	
Features		
Standard	Overload Reset & Front Panel LCD Panel	
Optional	Spike & Surge Suppressor, Inverter Bypass & Software Control / Communication/SNMP	
Protection		
Charger Mode	CV voltage & Current Limiter Auto Phase Sequence Correction & Failure Protector & Fuse / Circuit Breaker with IGBT /SCR Rectifier.	
Inverter	Over Voltage & Under Voltage Cut-off, 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	

ONLINE UPS SPECIFICATION

5KVA-250KVA(3:3) Ø



Capacity	5 KVA - 200KVA
Technology	IGBT-PWM/Thyristor
Input	Three Phase
Voltage & Frequency	400VAC +/- 10% 50Hz +/-5%
Output	Three Phase
Voltage & Frequency	400VAC +/-1% 50Hz +/- 0.5% (Can be Varied)
Static Voltage Regulation	+or-6% for 50% step load change
Dynamic Voltage Regulation	+/-1% of Nominal for all Variations of Line Load & +/-10% for 10-100% step Load Change
Total Harmonic Distortion	Linear Load <_2.5% & Non-Linear Load <_5%
Over Load (Optional)	125% for 1minute & 150% for 5 Sec
Waveform	Pure Sine Wave
Power Factor	0.98, 0.92, 0.8 (3 Variants)
Efficiency	80-92%
Crest Factor	1: 3
Battery	
Type	External Tubular / Valve Regulated Lead - Acid
Nominal Voltage VDC	120, 192, 240, 360 & 384
Recharge Time	8-12 Hours
Mode of Battery Charging	CV/CC mode
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



BATTERY genie

Battery Genie Contents

- | | | |
|-------------------|-------------------|---------------------|
| ▪ Distill Water | ▪ Interlink Cable | ▪ Brush |
| ▪ Hand gloves | ▪ Fuse | ▪ Bag |
| ▪ Funnel | ▪ Spanner | ▪ Naphthalene Balls |
| ▪ Nut, Bolt & Lux | ▪ Waste | ▪ Goggles |
| ▪ Petroleum Jelly | ▪ Floating Caps | ▪ Cutting Plyer |
| ▪ Calendar | ▪ Multimeter | ▪ Tester |
| ▪ Video | ▪ Top & Socket | |
| ▪ Hydrometer | ▪ Battery Coupons | |



Battery Genie.

- Safeguard your U P S with our Battery Genie Maintenance Kit.
- All you need is few proper tools and recycling ingredients!
You can now take care of your UPS on your own, at your own comfortable time.
- Without having to wait for technician, without having to pay any extra for services.
- We provide you the simple ways to handle the UPS, using our tools.
- We give you the video support explaining the process. Its absolutely easy and simple.
- And hear this, from us! You never have to buy another kit but just buy the recyclables.
- Our kit will last for ever!! The price you pay for this kit, comes at, Peace of Mind!

SPECIALIZED PRODUCTS



UPS SYSTEMS From ALPHA

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	Three Phase
Voltage & Frequency	400 VAC +/-1% 50Hz +/-0.5%
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 1 minute & 150% for 5 Secs.
Waveform	Pure Sine Wave
Power Factor PF (Load)	0.99
Efficiency	80-92%
Crest Factor	1 : 3
Battery	
Type	External Tubular / SMF
Nominal Voltage	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





UPS SYSTEMS FOR PETROL PUMPS



UPS SYSTEMS FOR GYM

4 - 10 KVA

IGBT-PWM

Single Phase

230VAC +/-20% 50Hz +/-5%

Single Phase

230VAC +/-5% 50Hz +/-1%

Pure Sine Wave

0.8

>80%

4 - 10 KVA

IGBT-PWM

Single Phase

230 VAC +/-20% 50Hz +/-5%

Single Phase

230 VAC +/-5% 50Hz +/-1%

Pure Sine Wave

0.8

>80%

External Tubular / Valve Regulated Lead – Acid

48/72/96/120VDC

8-12 Hours

External Tubular / Valve Regulated Lead – Acid

48/72/96/120VDC

8-12 Hours

Overload Reset & Front Panel LCD Panel

Spike & Surge Suppressor, Inverter Bypass &
Software Control

Overload Reset & Front Panel LCD Panel

Spike & Surge Suppressor, Inverter Bypass &
Software Control

Voltage & Current Limiter, Phase Sequence & Failure
Protector & Fuse/ Circuit Breaker

Over Voltage & Current Cut-off, Overload
cut-off & Short Circuit Protector

Battery Deep Discharge & Overcharge
cut-off & HRC Fuse / Circuit Breaker

Voltage & Current Limiter, Phase Sequence & Failure
Protector & Fuse/ Circuit Breaker

Over Voltage & Current Cut-off, Overload
cut-off & Short Circuit Protector

Battery Deep Discharge & Overcharge
cut-off & HRC Fuse / Circuit Breaker

Mains, Charger, Inverter, Battery & Error Information Status

Changeover, Overload, Battery low & other Error Alerts

Mains, Charger, Inverter, Battery & Error Information Status

Changeover, Overload, Battery low & other Error Alerts

0 – 2000m

0 – 40°C

95% Non Condensing

<60dB

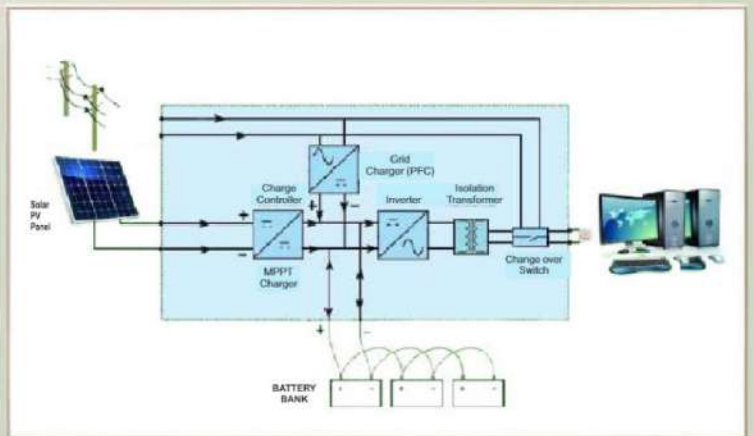
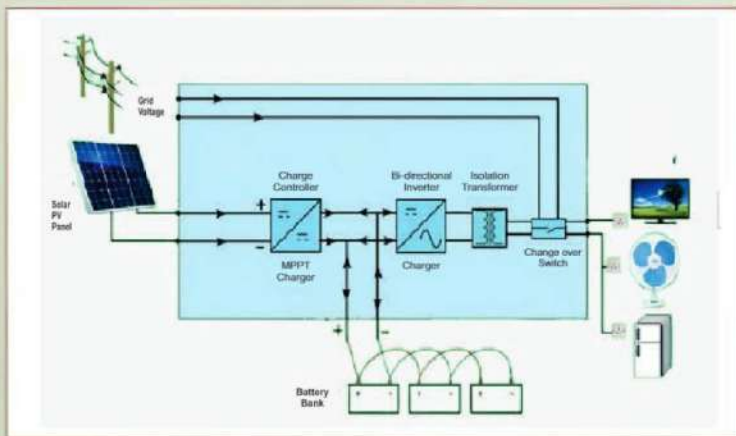
0 – 2000m

0 – 40°C

95% Non Condensing

<60dB





SOLAR PCU

1KVA 100KVA



Technology		MPPT technology			
Rating		1Ø i/p-1Ø 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		70V-150V	144V-240V		240V-600V
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		● Solar Voltage	● Solar Current	● Solar Power	● Solar Energy Generated
		● Output Voltage	● Battery Voltage	● Load Current	● Input Voltage
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	

Unmatched **POWER** Performance

Tubular Batteries



www.alphaenergysolutions.in



SOLAR



UPS / INVERTER



WINDMILL



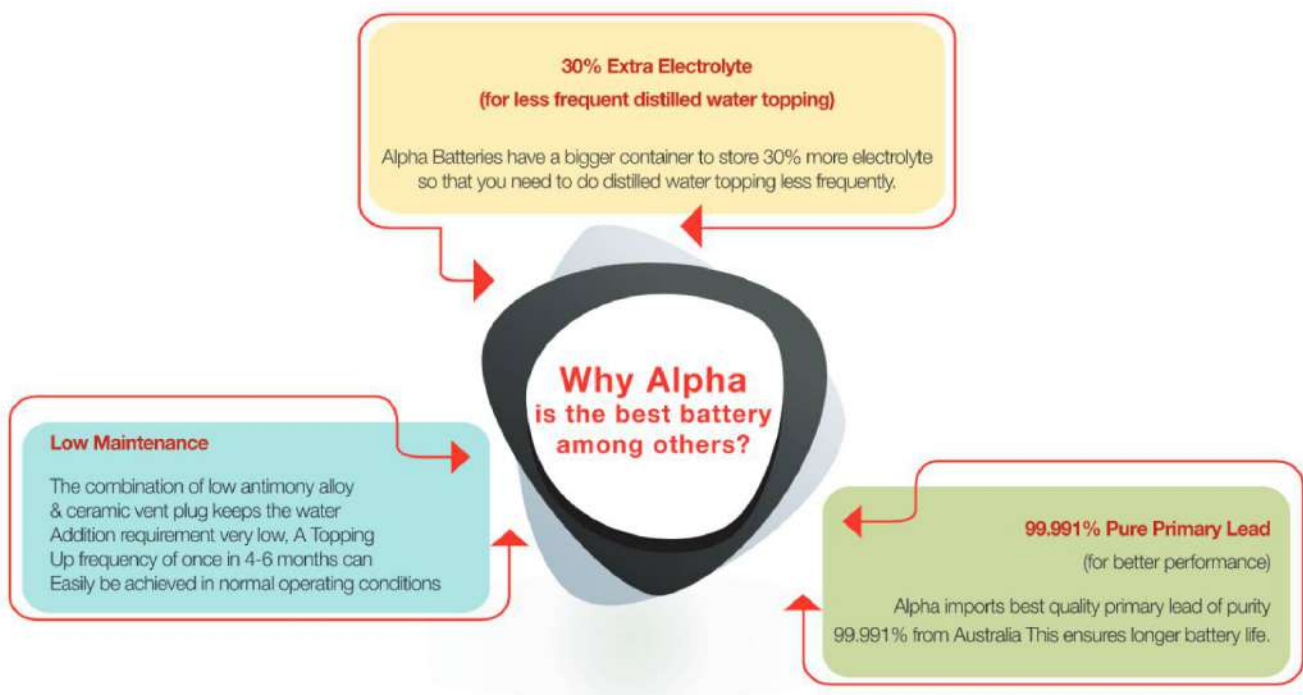
MACHINES

Heat Sealed Tubular Battery: Benefits

- Longer Life – Low Life cycle cost
- Trouble free Performance – Higher reliability
- Low Maintenance cost
- Low self discharge
- Ideal for cycle and float applications
- High power at different rates of discharge
- Safe to use, Suitable for deep discharge application
- Tolerant to high temperature applications

Technical Parameters of PRO C10 Tubular Batteries

			Product Overall Dimension			Charge Current (AMPS)			Application
TYPE	No of Plates	10 Hour Rate capacity	L	W	H	Start	Finish	Electrolyte Volume(Kgs)	
PRO 40	2+3	4 Hrs	405mm	173mm	290mm	4	2	9.4	UPS
PRO 60	3+4	6 Hrs	500mm	220mm	290mm	6	3	14.6	
PRO 80	4+5	8 Hrs	510mm	275mm	290mm	8	4	20.5	
PRO 100	5+6	10 Hrs	510mm	275mm	290mm	10	5	19.3	Inverter
PRO 120	6+7	12 Hrs	510mm	275mm	290mm	12	6	18.3	
PRO 120 TT	3+4	12 Hrs	520mm	190mm	460mm	12	6	24	
PRO 150 TT	3+4	15 Hrs	520mm	190mm	460mm	15	7.5	23.8	Solar
PRO 180 TT	3+4	18 Hrs	520mm	190mm	460mm	18	9	22.2	
PRO 200 TT	4+5	20 Hrs	520mm	190mm	460mm	18	9	21.5	
PRO 220 TT	4+5	22 Hrs	520mm	190mm	460mm	18	9	20.2	Telecommunication



Suggestion	Initial Charging Instructions
For constant potential charging higher rates are permissible for maximum charger setting of 2.40 volts per cell.	- Fill up to the required level with battery grade dilute sulphuric acid - Filling specific gravity: 1.220+/- 0.005 at 27°C - Rest period: 12 hours
Trickle charge voltage should be adjusted to 2.25 volts per cell.	
Technical information regarding 12V Pro Tubular available on request.	- Charge at 12% of C(10) capacity to 2.35 vpc & then at 6% of C(10) capacity to 2.75vpc Minimum Ah input: 450% of C10 capacity - All parameters for 12Volts Nominal Monobloc Units

Our Clientele

Hospitals / Healthcare



Educational Institutions / Schools



Heavy Industries



Banking



Wellness and Fitness



Aerospace Industry



Hotels / Hospitality



Shopping Malls



Furniture Manufacturing



Electronics and Technology Industries



Real Estate Developers



Research and Institutional Labs



Central Frozen Semen
Production and Training
Institute (CFSP&TI)

Oil and Gas / Renewable Energy



Others



Add-on Products



Static Bypass switch

The UPS could be a double conversion or a delta conversion or rotary type. The static bypass switch provides a means to accomplish high-speed transfer to the bypass path in case of UPS failures. Also, the static bypass switch is used to bypass the UPS so that maintenance can be performed on the UPS. Because electromechanical contactors and circuit breakers are not fast enough to accomplish such high-speed transitions, a power disruption could occur. A static bypass switch is employed to provide uninterrupted power to the load during normal-to bypass and bypass-to-normal transitions.



SNMP

Alpha SNMP cards are an interface between the UPS and the network. Cards can communicate the status of a UPS and issue commands to it. All Alpha SNMP cards support SNMP and HTTP protocols for user access.

Through the SNMP NMS and/or Web Browser, users can monitor the UPS status, issue commands, and set up the SNMP card through the network

SNMP Card Features

- **Connect the UPS directly to a LAN** - utilizing a standard RJ45 Ethernet connection; requires no special application software.
- **Network UPS management** - monitor and manage the UPS over any computer attached to the network.
- **Integrate UPS into Network Management System (NMS)** – using the included MIB (Management Information Base) agent or the included SNMP management software.
- **Schedule events** – shutdown or restart connected equipment daily, weekly, or monthly using the integrated scheduler.
- **Event Notification** – notify multiple IT personnel via SNMP traps or e-mail when a power event occurs.



Solar Street light

Solar street lights are raised light sources which are powered by photovoltaic panels generally mounted on the lighting structure or integrated in the pole. Most solar panels turn on and turn off automatically by sensing outdoor light using a light source. Solar streetlights are designed to work throughout the night. Many can stay lit for more than one night if the sun is not available for a couple of days. Older models included lamps that were not fluorescent or LED. Solar lights installed in windy regions are generally equipped with flat panels to better cope with the winds.

- Alpha Solar street lights are independent of the utility grid. Hence, the operation costs are minimized.
- Alpha Solar street lights require much less maintenance compared to conventional street lights.



Battery chargers

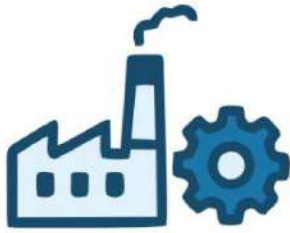
We are a prominent organization, which is engaged in offering Industrial Battery Chargers. The offered range of Industrial Battery Chargers is known for operating under voltage deviations. These chargers are portable in nature. These Industrial Battery Chargers are appreciated for their high tolerance to extremities. In addition to this, the offered range is acclaimed for its compact size lending portability.



Installation Images



Why Choose Alpha?



Over 100+ Products Manufactured

With decades of expertise in power solution, Alpha has successfully designed, engineered, and manufactured more than a thousand high-quality products



Global Reach with Exports to 12 Countries

Our footprint extends across the globe



Award-Winning Manufacturer

- Recipient of the Highest Customer Satisfaction Award.
- Recognized by leading clients and industry bodies for excellence in quality, reliability, and customer service
- Trusted by numerous organizations as a preferred vendor and long-term partner.



Recognized Among India's Best Manufacturers

Ranked as the 7th Best Manufacturer in India.



Trusted Technical Partner

A proven partner for both public and private sector enterprises in defence, aerospace and mission critical industries, providing customized power solutions



Certified & Tested by Leading Laboratories

All Alpha products undergo stringent quality checks and are certified by major national and international test laboratories.



Alpha Power Solutions

Head Office :

No.3662 & 3663, 5th Cross, Gayathrinagar,
Bangalore-560 021.

Ph: +91-080 - 23322500 | 23326465

Marketing / Sales : 7411 112 244
73488 26668

Service : +91 - 91419 47934

e-mail: alphapowersolutions@gmail.com

Unit 2 : No.23, 1st floor, 2nd cross,
Nanda Gokula Industrial Area, Tigalarapalya,
near Peenya 2nd Stage, Bangalore-560 058.

Unit 1 :

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

Unit 3 : No.23, 4th floor, 2nd cross,
Nanda Gokula Industrial Area, Tigalarapalya,
near Peenya 2nd Stage, Bangalore-560 058.

Note:

1. Features & Specifications are subject to change due to continuous improvements.
2. E & O.E - Errors & Omissions excepted.

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.

www.alphapowersolutions.in

This catalogue is issued to provide outline information only & is not deemed to form part of an offer or contract. Our policy is one of continued improvements & we reserve the right to change details without prior notice

Notes

