





ABOUT US

Incorporated in the year 1994, at New Delhi (India), we "Lzen Electronics India", are engaged in manufacturing and supplying a comprehensive assortment of Portable power sources and Solar Products . To be a world leader in uninterruptible power source and solar technology across the world to conserve our environment and provide an environmentally friendly, sustainable and conflict-free power supply. We have established a high tech manufacturing unit, which is well equipped with latest machinery and technologies available in the market to help to fabricate product in bulk quantity in specific time. We have gained immense expertise as one of the most pioneering Home UPS, Portable power sources and Solar Products manufacturers in engineering the power back-up products by (deploying) all our valuable time and resources. Strong product knowledge and research is the cornerstone of ICON business. The Icon team consists of experienced, reliable IT and engineers specialists who take of each product manufactured.

All lcon products receive an overwhelming response from the market because they set new standards of performance within their specific categories. Icon attempts to create products that are most relevant to the lives of people. Each of these products is the culmination of intensive market research on consumer requirements tastes and preferences.





OUR RANGE

- Icon Eco-Series Invertors
- Icon Digital Home UPS
- Icon Digital Sine Wave Home UPS
- Icon Digital Solar Home UPS
- Icon 50VA CFL UPS System
- Cards Home UPS and CFL
- Digital Battery Chargers
- Rickshaw Battery Charger
- SMPS Battery Chargers
- Solar UPS System
- Solar Charge Controller
- RO SMPS
- Battery Tester



50VA SOLAR CFL UPS (TRANSFORMER BASED)

- Compact Size & Portable.
- Mosfet Based High Frequency Digital System.
- Over Load, Deep Discharge & Over Charge Protection.
- Quick Battery Charging In 7 Hrs.
- → Heavy Duty Charging Transformer.
- → 3hrs Backup of 3 Cfl Tube (11w X3).
- Solar Charging and 12V DC fan output available.
- ◆ Fuse Protection.





I-100

10 W

50VA SOLAR CFL UPS

- Compact Size, Portable in Fully ABS Plastic Body.
- Table Top As Well As Wall Mountable.
- CFL UPS with SMPS Card.
- Faster Battery Charging From Input 90V -280V.
- In Built Surge Protection Ensures Safety of Appliances.
- Mosfet Based High Frequency Digital System.
- Over Load, Deep Discharge & Over Charge Protection.
- Quick Battery Charging In 7 Hrs.
- → 3hrs Backup on 3 CFL Tube (11w X3).
- Solar charging and 12V DC fan output available.







I-300



SOLAR CFL UPS

50VA SOLAR CFL UPS

SOLAR PANEL 10

- Light Weight & Easy Handling.
- Compact Size, Portable in Fully ABS Plastic Body.
- ▼ Table Top As Well As Wall Mountable.
- · CFL UPS with SMPS Card.
- Faster Battery Charging From Input 90V -280V.
- In Built Surge Protection Ensures Safety of Appliances.
- Mosfet Based High Frequency Digital System.
- Over Load, Deep Discharge & Over Charge Protection.
- Quick Battery Charging In 7 Hrs.
- → 3hrs Backup on 3 CFL Tube (11w X3).
- Solar Charging & 12V DC output Available.
- 2 High glow SMD LED.
- Available in different colors.



I-400

50VA SOLAR CFL UPS

- Mosfet Based High Frequency Digital System.
- Quick Battery Charging In 7 Hrs.
- Over Load, Deep Discharge & Over Charge Protection.
- Compact Size & Portable in Metal Body.
- Table top as well as wall mountable.
- 3hrs Backup of 3 Cfl Tube (11w X3).
- Solar Charging & 12V DC output Available.
- Zero Battery Discharge During Ups Standby.
- Fuse Protection.





1-500



ICON

50VA SOLAR CFL UPS





- Quick Battery Charging In 7 Hrs.
- Light Weight & Easy Handling.
- Over Load, Deep Discharge & Over Charge Protection.
- Compact Size & Portable.
- ▼ Table Top As Well as Wall Mountable.
- → 3hrs Backup of 3 CFL Tube (11w X3).
- CFL UPS with SMPS Card.
- Solar Charging and 12V DC fan output available.
- I-500 LED
- Zero Battery Discharge During Ups Standby.
- → High Glow SMD LED

50VA SOLAR CFL UPS



- Compact Size, Portable in Metal Body.
- Table top as well as wall mountable.
- · CFL UPS with SMPS Card.
- Faster Battery Charging From Input 90V -280V.
- In Built Surge Protection Ensures Safety of Appliances.
- Over Load, Deep Discharge & Over Charge Protection.
- Quick Battery Charging in 7 Hrs.
- 3hrs Backup on 3 Cfl Tube (11w X3).
- Solar Charging & 12V DC Output Available.









I-600



SOLAR CFL UPS

50VA SOLAR CFL UPS DOUBLE BATTERY



- Light Weight & Easy Handling.
- Compact Size, Portable in Metal Body.
- CFL UPS with SMPS Card.
- Faster Battery Charging From Input 90V -280V.
- In Built Surge Protection Ensures Safety of Appliances.
- Mosfet Based High Frequency Digital System.
- Over Load, Deep Discharge & Over Charge Protection.
- Quick Battery Charging in 7 Hrs.
- → 7hrs Backup on 3 CFL Tube (11w X3).
- Solar Charging & 12V DC Output Available.
- 2 Batteries of 7.5Ah Gives Longer Backup.
- Option of 75VA Capacity Also Available.





I-700

50VA SOLAR CFL UPS WITH FM & USB



- Compact Size, Portable in Metal Body.
- ▼ Table Top As Well As Wall Mountable.
- → CFL UPS with SMPS Card.
- Faster Battery Charging From Input 90V -280V.
- In Built Surge Protection Ensures Safety of Appliances.
- Mosfet Based High Frequency Digital System.
- Over Load, Deep Discharge & Over Charge Protection.
- Quick Battery Charging in 7 Hrs.
- → 3hrs Backup on 3 Cfl Tube (11wX3).
- Solar Charging & 12V DC Fan Output Available.





II-800



50VA SOLAR CFL UPS

- Compact size portable.
- CFL UPS with SMPS card.
- In built surge protection ensures safety of appliances.
- Mosfet based high frequency digital system.
- Over load, deep discharge & over charge protection.
- Quick battery charging in 7 hrs.
- → 3hrs backup of 3 CFL tube (11w X3).
- Solar charging & 12v DC fan output available.
- → High glow SMD led of 15watt.
- Available in different colors.
- USB based mobile charger.















50VA SOLAR CFL UPS

- Mosfet based high frequency digital system.
- Quick battery charging in 7 hrs.
- Light weight & easy handling.
- Over load,deep discharge & over charge protection.
- Compact size & portable.
- → 3hrs backup of 3 cfl tube (11w X3).
- · CFL UPS with SMPS card.
- Solar charging and 12v DC fan output available.
- Zero battery discharge during ups standby.
- Fuse protection.

I-1100



SOLAR HOME LED SYSTEM



- Economical: 30% power savings on your electricity bills and a longer back up lighting system at zero running cost.
- Non-Polluting: Powered by the sun's renewable energy, the system is energy neutral and an absolutely clean source of illumination.
- Once installed, it lasts for long time and requires little attention.
- These 20 watt panels are solid-state semi conductor devices that convert the sun's energy directly into electricity.
- ► LED Lamps: Solar Home Lighting system comes equipped with 2 extra LED lamps consisting of 25 LEDs per lamp and one in built in the systems. Each lamp consumes 4 W nominal power and is more luminous than a CFL or a tube light. These LED lamps have a longer life of approximately upto 10,000 hrs.
- Grid/External Charger: In absence of sunlight, one can charge the system through this external charger that can be directly connected to the main electricity supply.
- Extra USB port given for mobile charging.



SOLAR CHARGE CONTROLLER

- Intelligent microprocessor control with 95 % efficiency
- Silent, solid state pulse Width Modulation (PWM) Charging) process
- The electronic circuit is having protection for reverse polarity
- Reverse current flow battery to solar array during
- Over charging current protects the battery and increase battery life.
- Output over voltage
- Potentially increase the charging efficiency by
- Real time sensing of voltage and current to optimize charging
- Electronic over load protection
- If the Load terminal is short circuited the electronic protection automatically disconnect the load instantly.
- Standby Power Consumption (self consumption) : Less than 5mA



12V-24V/5 to 20 AMP

MPPT SOLAR CHARGE CONTROLAR

- → Highly efficient MPPT microcontroller based design for high precision control.
- · Low battery discharge alarm.
- Auto shuts down in case of the load being in excess of the prescribed limit.
- · Reverse Battery protection through DC fuse. Special indicators to show when the panel and charging are on.
- Indications for low, medium and high battery
- Short Circuit protection is provided through DC Fuse.
- Panel Low Cut Recovery is more then 18V.
- Battery Equalizes automatically after fixed period.



12V-96V/10 to 40 AMP



SMART CHARGER

BATTERY CHARGER

- Excellent Designing.
- → Reliable Performance & Durable Life.
- A.C. Mains Indicator.
- Electronic Rotary Preset for Current Control.
- Amp. Meter to Indicate Charging Current.
- Double Winding Mains Isolated Transformer.
- Full Wave Bridge Rectifier.
- Fuse on A.C. Input.
- → Power Supply Voltage: 230V ~50 Hz.



12V/3A-10A

AUTOMATIC BATTERY CHARGER

- Excellent Designing.
- → Reliable Performance & Durable Life.
- World Class Quality.
- Analog Amp. Meter to Indicate Charging Current.
- Mains On Indicator.
- Charging Off Indicator to Show the Battery is Full Charged.
- Reverse Polarity Indicator & Short Circuit Protected.
- Double Winding Mains Isolated Transformer.
- Full Wave Bridge Rectifier.
- Fuse On A.C. Input.
- → Power Supply Voltage: 230v ~50 Hz.



12V/3-10A AU



BATTERY CHARGER

- Excellent Design ing.
- Reliable Performance & Durable Life. World Class Quality.
- ◆ Charges 12V, 24V, 36V and 48V Batteries.
- A.C. Mains Indicator.
- Control.
- Amp. Meter to Indicate Charging Current.
- **▼** Double Winding Mains Isolated Transformer.
- Full Wave Bridge Rectifier.
- Fuse On A.C. Input. Power Supply Voltage: 230v ~50 Hz.



24V-48V/6A-10A

AUTOMATIC BATTERY CHARGER

- Excellent Designing.
- → Reliable Performance & Durable Life.
- World Class Quality.
- Analog Amp. Meter to Indicate Charging Current
- Mains On Indicator.
- Charging Off Indicator to Show the Battery is Full Charged.
- Protected.
- **◆** Double Winding Mains Isolated Transformer.
- Full Wave Bridge Rectifier.
- Fuse On A.C. Input.
- → Power Supply Voltage: 230v ~50 Hz.



24V/6A-10A AU



SMART CHARGER

E-RICKSHAW BATTERY CHARGER

- Excellent Designing.
- → Reliable Performance & Durable Life.
- World Class Quality.
- Charge 48V Batteries Only.
- Charge upto 140Ah. Batteries in 6-7 Hrs.
- Analog Amp. Meter to Indicate Charging Current.
- Mains On Indicator.
- Charging Indicator to Show that the Battery is Being Charged.
- Double Winding Mains Isolated Transformer.
- Full Wave Bridge Rectifier.
- Heavy Duty Rotary for Current Control.
- Heavy Duty DC Fan to Protect the Transformer From Being Heated.
- Fuse On A.C. Input.
- → Power Supply Voltage: 230v ~50 Hz.





48V/20A

DIGITAL BATTERY CHARGER

- Excellent Designing.
- Reliable Performance & Durable Life.
 World Class Quality.
- Miniature Circuit Breaker Protection Also Provided.
- Can Charged from Single to 8 Battery Together.
- Used for Charging Automotive and Tubular Battery.
- A.C. Mains On/Off Switch With Indicator.
- Cam Operated Rotary Switches for Voltage and Current Control.
- Amp. Meter to Indicate Charging Current.
- Double Winding Mains Isolated Transformer.
- Full Wave Bridge Rectifier.
- Fuse On A.C. Input.
- → Power Supply Voltage: 230v ~50 Hz.
- Charge Curve: WU.



72V-96V/10A-15A



- Switching mode control (SMPS) based design.
- Charges batteries with constant current working at 50KHZ.
- Protection against the reverse polarity of battery.
- Automatic over current limit.
- User-Friendly operation and high efficiency.
- Over voltage, under voltage and current protection.
- Easy battery connection with clip leads.
- Intelligent thermal management.
- Automotive batteries upto 100Ah.
- Heavy Duty DC Fan to Protect the Transformer From Being Heated.
- High and Low Switch for Automotive and Tubular Batteries setting.





12V/2-5A

DIGITAL SMPS BATTERY CHARGER

- Switching mode control (SMPS) based design.
- Charges batteries with constant current working at 50KHZ.
- Protection against the reverse polarity of battery.
- Automatic over current limit.
- Digital display for charging Amp. and DC Volt.
- User-Friendly operation and high efficiency.
- Over voltage, under voltage and current protection.
- Easy battery connection with clip leads.
- Intelligent thermal management.
- Automotive batteries lead acid inverter and tubular batteries.
- Heavy Duty DC Fan to Protect the Transformer From Being Heated.
- High and Low Switch for Automotive and Tubular Batteries setting.





12V-24V/10AMP



SMPS E-RICKSHAW BATTERY CHARGER

- → High efficiency SMPS based charger.
- Deep discharge Charging Capability.
- Intelligent with a powerful micro controller.
- Alphanumeric LCD pannel for user-friendly interface for 48V systems.
- Protects the battery for being overcharged.
- Overload protection: Protects the battery by limiting current using its internal circuitry.
- When the charger temprature goes above 75 degree the charger goes into over temperature protection i.e the charger will shut down. recover at 50 degree.
- Protection against the reverse polarity of battery.
- Over voltage, under voltage and over current protection.



48V/12AMP

SMPS E-RICKSHAW BATTERY CHARGER

- → High efficiency SMPS based charger.
- Deep discharge charging capability.
- Intelligent with a powerful microcontroller.
- Digital meter which shows both ampere and dc voltage.
- 6 stage charging
- Delay mains input
- Reverse battery protection
- Input A C. Voltage 140 volts to 280 volt
- Maximum output voltage 63.5 volts
- Maximum DC current flow 15 Ampere DC
- In built high voltage surge current protection.
- Charges 100 AH 4 Battery in 6 to 7 hours and 140 AH battery in 8 to 9 hours



48V/15AMP



SMPS MOTOR CYCLE BATTERY CHARGER

- Compact in Size.
- Constant current charging.
- Charging Current selection according to Battery capacity. (2.5,5,7,9,14)
- VRLA and Flooded Battery Charging
- → LED indication for Battery reverse.
- Attached Test lead with battery charging clips.
- Charging Cut off Voltage: 14.2 V DC (VRLA Mode)
- Charging Cut off Voltage: 15.2 V DC (Flooded Mode)



12V/3A

SMPS MOTOR CYCLE BATTERY CHARGER

- Switching mode control (SMPS) based design.
- Charges batteries with constant voltage constant current Working at 50KHZ.
- Protection against the reverse polarity of battery.
- User-friendly operation and High efficiency.
- Over voltage, under voltage and over current protection.
- Easy battery connection with clip leads.
- Charger with 8 individuals channel.



96V/2A SMPS

Applications:-

- Sealed Maintenance Free UPS Batteries.
- Two Wheeler Batteries SMF and Dry Charged.



DIGITAL HOME UPS

SMPS DC CONVERTER 150 WATT

- Input Voltage 12 VDC
- → Output Voltage 220 V AC
- ◆ Frequency 50 Hz
- → Four Led Indicators to Indicate the Functions
- Overload Protections
- → Double Output socket
- ◆ Transformer Coil Pure Copper
- → Heavy Metal Body

Applications: For Mobile chargers, CFL Tubes, Led TV , Led Bulbs etc



150 WATT

DIGITAL HOME UPS

ECO SERIES INVERTER

- Highly Economical.
- Very Compact, Elegant Looks.
- Single Card Reliability.
- Instant Switch Over at the Time of Power Failure.
- Battery Recharges at a Constant Current Even at Very Low Voltage.
- Has Indicators With Visual and Audio Buzzer Alarm for Overload and Battery Low.
- ◆ 5 Stage Charger to Charge Batteries from 35Ah to 90Ah
- Operate on a Wide Input Voltage Range.
- Specially Designed to Operate Small Color TV With VCD & DVD/PCO Machines.



175VA-375VA



- · Highly Economical.
- Very Compact, Elegant Looks.
- Single Card Reliability.
- Micro Chip Based PWM Technology Using Mosfets.
- Instant Switch Over at the Time of Power Failure.
- Charges Battery at a Constant Current Even at Very Low Voltage & Enhances Battery Life.
- Auto Reset Feature for Overload & Short Circuits.
- Has Indicators with Visual and Audio Buzzer Alarm for Overload and Battery Low.
- High & Low Input Voltage Protection for Connected Appliances.
- ◆ 5 Stage Charger to Charge Batteries Upto 200Ah.
- Operates on a Wide Input Voltage Range.



400VA-600VA

DIGITAL HOME UPS

- Highly Economical.
- Very Compact, Elegant Looks.
- Single Card Reliability.
- Micro Chip Based PWM Technology Using Mosfets.
- Instant Switch Over at the Time of Power Failure.
- Charges Battery at a Constant Current Even at Very Low Voltage & Enhances Battery Life.
- Auto Reset Feature for Overload & Short Circuits.
- Has Indicators with Visual and Audio Buzzer Alarm for Overload & Battery Low.
- High & Low Input Voltage Protection for Connected Appliances.
- 7 Stage Charger to Charge Batteries Upto 240Ah.
- Operates on a Wide Input Voltage Range.



700VA-2000VA



DIGITAL SINE WAVE HOME UPS

- Highly Economical.
- Very Compact, Elegant Looks.
- Single Card Reliability.
- Pure Sine Wave Output to Run all your Appliances Efficiently & Noiselessly.
- Very Fast Switch over Time.
- Provides Long Power Back-up Both for Your PC & Home.
- Smart SMPS Based Fast Battery Charger With Automatic Power Factor Correction.
- Saves 40% Electricity Bill as Compare to that of Square Wave Home Ups.
- → 50% Faster Charging as Compare to Ordinary Models, due to Inbuilt Heavy Duty Charging Circuit.
- Auto Reset Feature for Overload & Short Circuits.
- 7 Stage Charger to Charge Batteries Upto 240Ah.



700VA-1750VA

DIGITAL HOME UPS

- Highly Economical.
- Very Compact, Elegant Looks.
- High & Low Input Voltage Protection for the Connected Sophisticated Equipments.
- MCB Protection on Mains.
- Cleverecharge Technology, a Unique & Advance Technology Which Protects your Battery, Reduces Frequency of Water Topping & Enhances Battery Life.
- Soft Start Capability for Starting Heavy Loads.
- Heavy Overload Handling Capacity.
- 50% Faster Charging as Compare to Ordinary Models, Due to Inbuilt Heavy Duty Charging Circuit.
- Auto Reset Feature for Overload.



2000VA-3500VA



DC VOLT METER 20V

We have been successfully satisfying the diverse needs of our esteemed clients by providing a flawless gamut of LED Voltmeters that features a LED display.

- Using premium quality components and advanced technology.
- The LED Voltmeter has 3½ digit LED display, which is powered by the battery under test.
- It has a range between 0-20V and is useful for testing 12V battery & charging system.
- The offered voltmeters are manufactured by our skilled professionals.



0-20V DC

BATTERY TESTER

- Test Range.
- Accumulator Rated Voltage: 12V in Case of Rated Capacity 5 - 50 Amp, Discharging Current is Very High.
- Test Method: A Momentary Contact Type Testing Time is Maximum 5 Sec. Digital Meter Shows the Condition of the Battery with Limit of 0-16V.
- Judgement: On Meter Green Segment Shows OK,
 Yellow Segment Shows Weak and Red Segment
 Shows Bad Status.
- Feature: Such Tester is able to Check the Whole Battery Condition With the Help of Digital Meter.



BCT-7



BATTERY TESTER

- BCT-5 can test the complete range of Automotive Batteries from 5AH to 80AH.
- BCT-5 has a timer built-in which disconnect, the load after 5 seconds.

FEATURES:-

Digital Voltmeter

Battery Condition Indicator

Electronic Timer

TESTS:-

Battery Open Circuit Voltage

Battery Condition under Load

Battery Charging Voltage

Battery Cranking Voltage



BCT - 005

BATTERY TESTER

- For testing complete range of 12V automotive batteries from 35Ah to 200Ah.
- The testers have a built-in circuit, which senses the drop in battery voltage under load as the discharging current is very high and indicates if the battery is sufficiently charged, weak or dead, by means of 3 colored led's.
- Judgement: On Meter Green Segment Shows OK, Yellow Segment Shows Weak and Red Segment Shows Bad Status.
- Feature: Such Tester is able to Check the Whole Battery Condition With the Help of Digital Meter.



BCT - 700



CARDS CFL

Features:

- Load: 50W (Suitable for 3 No 15W CFL).
- Charging: SMPS Based.
- 0.8Amp to 1 Amp Charging.
- → Charging Cut: 14 Volt to 14.5 Volt.
- Indication: Overload, Charging, Charging cut, Low battery, Main.
- Protection low battery, over load Application CFL Lamp, Mobile Charger, DVD, etc.
- Led Indicators For Mains, Charging Mode, Full Charge, Overload And Low Battery.
- Dual LC SMPS Based Technology Which Can Operate Between 100v-300V
- Fuse Protection.
- Optional Solar Charging and DC Fan.



I-100



I-300/I-400



I-500 / I-1000

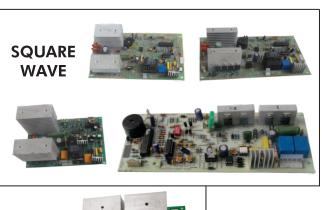


I-600 / I-1100



HOME UPS CARDS

- Soft start capability for starting heavy loads.
- Seven stage charging to charge batteries upto 240 AH.
- Charging current adjustable up to 15Amp DC.
- Charging from 140VAC 280 V AC.
- Instant switch over for computers and DVD system to run uninterrupted during power cut without any rebooting.
- High and low voltage protection of the connected sophisticated equipments.
- Auto reset feature on overload.
- Low Battery, Over Load, Short Circuit protection without auto reset.
- Suitable for personal computer and for power back up for home.
- Icon compact design and power packed features make it ideal for today's modern offices, small and medium enterprises, schools and households.
- Icon Digital Home UPS is ideal for 2 to 3 bedroom houses with sensitive, hi
 tech equipment.



SINE WAVE





SMPS 24 V (POWER SUPPLY FOR RO)

We bring forth AC-DC Adaptors For Water Purifier (24 V - 2, 2.5 & 3 Amp). The AC DC Adaptors For Water Purifier (24 V-2, 2.5 & 3Amp) are highly demanded among clients due to their strong construction,

clients due to their strong construction, reliable performance and longer service life.

- SMPS based highly reliable product.
- Compact size and light weight.
- It works from input voltage from 100 V to 300 V.
- Input current is 800 ma Rms.
- Output load varies from 22.8 Volt to 25.2 Volt D.C.
- Ideal for protecting RO system against excessive high voltage and Over Load.
- Protected against Short Circuit, & over temperature.



BATTERY 7.5AH

Features

- 1. Zero Maintainance And Long Service Life
- 2. Pure Calcium Alloy Is Used To Make The Batteries Completely Maintenance Free.
- 3. Better Conductivity And Lower Corrosion.
- 4. Abs Containers & Lids (stronger & Free Form Distortion.)
- 5. Low Self Discharge
- Thicker Agm Separators To Absorb More Acid Volume.
- 7. Very Low Self Discharge And Good Charge Acceptance Better Recovering Ability.
- 8. 100% Sealed Battery.



COMING SOON







