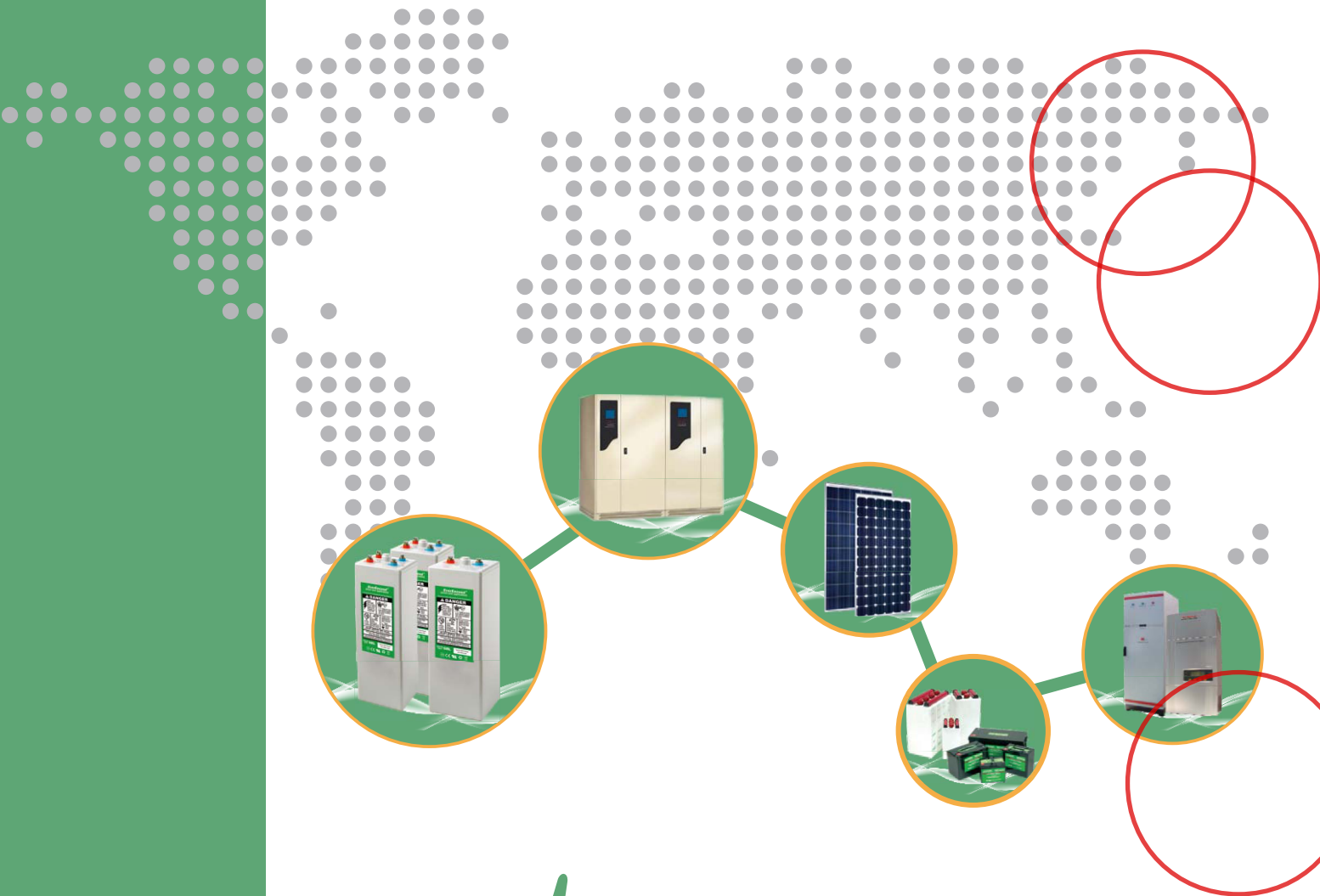


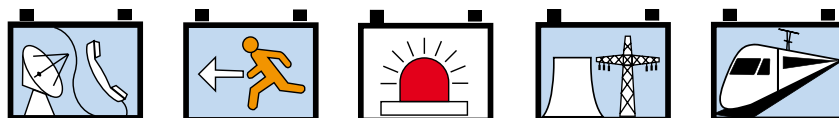


EverExceed[®]
power your applications

Product Catalog



*»Premium quality for
uninterrupted communication«*





COMPANY PROFILE

EverExceed develops, designs, and manufactures products to provide safe, reliable power solutions worldwide.

EverExceed has operations on six continents including three manufacturing plants and two research & development centers, allowing our products be available and enjoy technical support all over the world.

EverExceed now offers a full range of lead acid batteries (network & motive power) and Nickel Cadmium batteries covering a wide range of applications from sophisticated telecommunications, uninterruptible power supplies, AGV to emergency lighting and security applications, and offers a full range of Monocrystalline, Polycrystalline Solar Modules combined with PWM/MPPT solar controllers, Grid-off/Grid-tied inverter covering a wide range of applications from sophisticated telecommunications, Power Electricity, Remote Area Electricity applications, in addition to a full power protection line of uninterruptible power supplies, automated voltage regulators, industrial chargers (high frequency, SCR rectifiers). We also design and assemble both standard and customized battery cabinets for computer rooms as well as racking configurations for customer's individual requirements. Our vast, growing and fully integrated company is dedicated to producing world-class quality and more cost-saving products in our state-of-the-art manufacturing facilities around the world.

As an industrial group with worldwide activities, EverExceed's staff are working in its worldwide modern manufacturing facilities which always draw on a wealth of international experiences and knowledge to produce highest world-class quality, reliable industrial batteries, uninterruptible power supplies, automated voltage regulators, industrial transformers & inverters, rectifiers. The continuing installation of most modern production equipments in the world makes continuous product improvement possible.



EverExceed has been devoting to maximizing the value to its worldwide users through its commitments to people, advanced technologies and quality services. With its strong penetration into international markets, EverExceed will continue its high-speed development in the coming years.

Following globalization strategy, EverExceed is becoming an important vendor of global network & motive power and power protection products, solar energy in the industry. EverExceed's products have been applied in over 50 countries and regions including the United States, Canada, United Kingdom, Italy, France, Austria, Belgium, Turkey, Greece, Thailand, Spain, Mexico, Egypt, Sri Lanka, Pakistan, Indonesia, Australia etc.

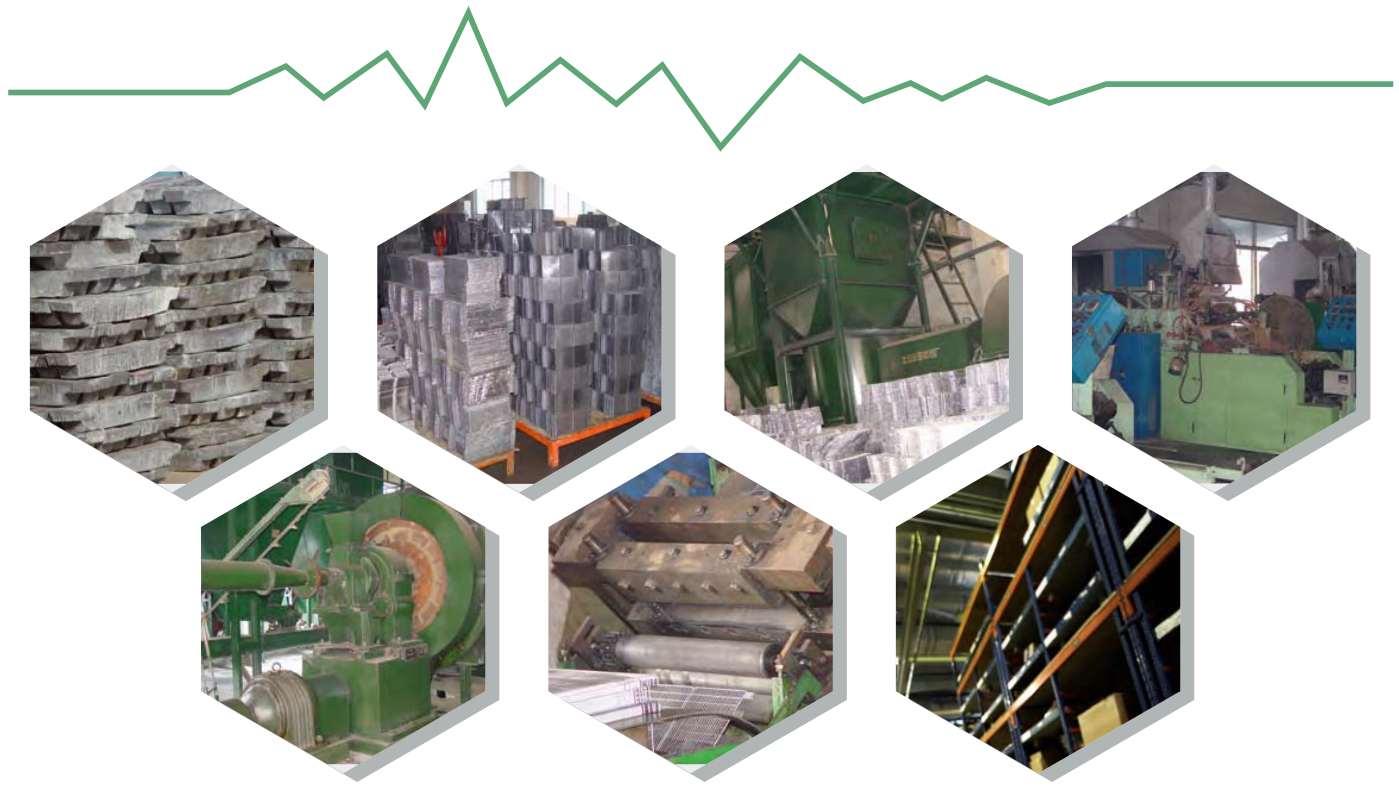
EverExceed is a fast growing, aggressive and forward-looking international organization that expects the new century to be marked by challenge, more and different opportunities, and steady growth. We are well placed to take full advantage of these opportunities for ourselves

Our Mission :

Supply worldwide reliable power solutions with continuous innovative technologies.

Our Values :

Every staff is equal in personality and dignity.
Mutual respect and understanding are advocated.
Enterprising spirit and initiative are encouraged.



Tubular OPzV Range VRLA

Nominal capacity 150~3000Ah Design life 20 years at 20°C ambient.



Applications

- ◆ Telecommunications
- ◆ Photovoltaic/Cyclic
- ◆ Emergency lightings
- ◆ Control systems
- ◆ Navigation Aids
- ◆ UPS systems

Tubular OPzS Range

Nominal capacity 50~12000Ah Design life 20 years at 20°C ambient.



Applications

- ◆ Telecommunications
- ◆ Photovoltaic/cyclic
- ◆ Power plant
- ◆ Transmission switching
- ◆ Emergency lighting
- ◆ Alarm security systems
- ◆ Submarine

FT Gel Range VRLA

Nominal capacity 55~250Ah Design life 12 years at 20°C ambient.



Applications

- ◆ Photovoltaic/Solar/Wind
- ◆ Telecommunications
- ◆ Cycling/Float Service
- ◆ Electric vehicle/Golf caddy
- ◆ Boats/Marine/Navigational Aids
- ◆ Cathodic Protection
- ◆ Water Pumping
- ◆ Remote Monitoring

FT AGM Range VRLA

Nominal capacity 40~250Ah Design life 12 years at 20°C ambient.



Applications

- ◆ Telecommunications
- ◆ Electric utility
- ◆ Emergency Lighting
- ◆ UPS systems
- ◆ Fire & Security
- ◆ Standby power
- ◆ Center Gasing System Optional

Gel Marine Range VRLA

Nominal capacity 40~230Ah Design life 12 years at 20°C ambient.



Applications

- ◆ Boats/Marine/Navigational Aids
- ◆ Photovoltaic/Solar/Wind
- ◆ Trolling Motors
- ◆ Telecommunications
- ◆ Cycling/Float Service
- ◆ Electric vehicle/Golf caddy
- ◆ Control Equipment
- ◆ Cathodic Protection

Modular Max Range VRLA

Nominal capacity 200~3000Ah Design life 20 years at 20°C ambient.



Applications

- ◆ UPS System
- ◆ Telecommunications
- ◆ Photovoltaic/Solar/Wind
- ◆ Emergency Lighting
- ◆ Switchgear operations
- ◆ Control systems
- ◆ Navigation Aids
- ◆ Cellular Radio

AINO MICRO Range VRLA

Nominal capacity 0.5~65Ah Design life 5~8 years at 20°C ambient.



Applications

- ◆ Uninterruptible power supplies
- ◆ Telecommunication equipment
- ◆ Emergency Lighting
- ◆ Fire & Security Alarm Systems
- ◆ Monitoring equipment
- ◆ Medical equipment

Standard Range VRLA

Nominal capacity 18~250Ah Design life 12 years at 20°C ambient.



Applications

- ◆ UPS System
- ◆ Telecommunications
- ◆ Emergency Lighting
- ◆ Mobility / home medical
- ◆ Switchgear operations
- ◆ Standby power
- ◆ Railway Signal
- ◆ Electric utility

Tubular ECO Range

Nominal capacity 28~300Ah Design life 15 years at 20°C ambient.



Applications

- ◆ Telecommunications
- ◆ Photovoltaic/cyclic
- ◆ Power plant
- ◆ Transmission switching
- ◆ Emergency lighting
- ◆ Alarm security systems

Deep Cycle Gel Range VRLA

Nominal capacity 18~250Ah Design life 12 years at 20°C ambient.



Applications

- ◆ Telecommunications
- ◆ Photovoltaic/Solar/Wind
- ◆ Cycling/Float Service
- ◆ Electric vehicle/Golf caddy
- ◆ Boats/Marine/Navigational Aids
- ◆ Cathodic Protection
- ◆ Electric utility
- ◆ Center Gasing System Optional

Modular Range VRLA

Nominal capacity 50~4000Ah Design life 18 years at 20°C ambient.

Applications

- ◆ UPS System
- ◆ Telecommunications
- ◆ Emergency Lighting
- ◆ Switchgear operations
- ◆ Control systems
- ◆ Cellular Radio
- ◆ Electric utility



Modular Gel Range VRLA

Nominal capacity 50~4000Ah Design life 18 years at 20°C ambient.

Applications

- ◆ Telecommunications
- ◆ UPS System
- ◆ Photovoltaic/Solar/Wind
- ◆ Emergency Lighting
- ◆ Switchgear operations
- ◆ Alternative energy
- ◆ Electric utility



Deep Cycle AGM Range VRLA

Nominal capacity 20~300Ah Design life 12 years at 20°C ambient.

Applications

- ◆ Telecommunications
- ◆ Photovoltaic/Solar/Wind
- ◆ Cycling/Float Service
- ◆ Electric vehicle/Golf caddy
- ◆ Boats/Marine/Navigational Aids
- ◆ Cathodic Protection
- ◆ Electric utility
- ◆ Center Gassing System Optional



High Rate Range VRLA

Nominal capacity 18~250Ah Design life 12 years at 20°C ambient.

Applications

- ◆ UPS System
- ◆ Emergency Lighting
- ◆ Switchgear operations
- ◆ Standby power
- ◆ Control Systems
- ◆ Fire & Security
- ◆ Electric utility
- ◆ Center Gassing System Optional



Solar Gel Range VRLA

Nominal capacity 18~250Ah Design life 12 years at 20°C ambient.

Applications

- ◆ Photovoltaic/Solar
- ◆ Wind Energy
- ◆ Water pumping
- ◆ Cathodic protection
- ◆ Lighting Navigation Aids



NiCd Range (Vented & Sealed)

Nominal capacity 10~1210Ah Design life 20+ years at 20°C ambient.

Applications

- ◆ Engine Starting
- ◆ Switch Tripping
- ◆ UPS Installations
- ◆ Power Stations
- ◆ Oil and Gas Refineries
- ◆ Photovoltaic/Solar/Wind
- ◆ Electric utility



Unilyte Range VRLA

Nominal capacity 100~1500Ah Design life 20 years at 25°C ambient.

Applications

- ◆ Telecommunications
- ◆ UPS systems
- ◆ Switchgear and control
- ◆ Railroad signal
- ◆ Photovoltaics
- ◆ Cellular Radio



AGM OPzV Range VRLA

Nominal capacity 100~3000Ah Design life 18 years at 20°C ambient.

Applications

- ◆ UPS systems
- ◆ Photovoltaic/Cyclic
- ◆ Emergency lightings
- ◆ Control systems
- ◆ Navigation Aids
- ◆ Telecommunications
- ◆ Electric utility
- ◆ Center Gassing System Optional



Battery Cabinets / Racks

Applications

Quality and performance are the primary value and long-term benefit of EverExceed cabinet / rack systems. These proven and effective battery power cabinet / rack solutions will solve your application requirements.



Battery Cabinet Cooler

Applications

Green Solution: less than 0.5 Kw for 24 hours running, decrease CO2 emission



Manufacturing of Battery Nerves – Positive / Negative Plates

We are one of the few manufacturers who have license and equipment to manufacture battery electrode plates for industrial batteries. Our innovated technology enables our products to have a more reliable quality. We have been manufacturing battery electrode plates for nearly 30 years and have rich experience in designing / manufacturing Battery plate.

Machinery / Capability

16 automatic production lines are available.
 Production Capability: 1,000,000 lbs. Lead consumption per month.



EverExceed Factory has nearly 30 years of experience in manufacturing industrial batteries. We persist in the purpose of "Quality first, Prestige fundamental" and our factory has gained accreditation to ISO 9001:2008, ISO 14001:2004 certification which proves that our product quality is good and reaches the international standards. We have a healthy financial background that enables us to expand our factories and equipments in a very fast pace. Our modern manufacturing facility has been able to draw on a wealth of international experience and knowledge to produce high quality, reliable battery. The continuing installation of the most modern production equipment in the world makes continuous product improvement possible. We always keep on improving our staff benefits and skill training. We also have a heavy investment on our R&D center to develop latest technologies of industrial batteries and power supplies for the new generation.

Machinery / Capability

16 automatic production lines are available. 8 thermally sealing automatic production lines are available(Original Germany Technology).
 The main equipments are made in Europe, USA.
 Yearly Production Capacity: 1,600,000KVAH.

Forklift Batteries



Nominal capacity 110~1550Ah
PzS/PzB series cells

Golf 28 Gel Range VRLA



Gelled valve regulated lead acid battery (GVR) for cycling applications
12v 21.6 ah @ 5 hr rate
12v 28 ah @ 20 hr rate

NiCd Range (Vented & Sealed)



Nominal capacity 10~1210Ah
Design life 20+ years at 20°C ambient.

Standard Range VRLA



Nominal capacity 18~250Ah
Design life 12 years at 20°C ambient.

Gel Marine Range VRLA



Nominal capacity 40~230Ah Design life 12 years at 20°C ambient.

EV Drive Range



Nominal capacity 60~230Ah Design life 12 years at 20°C ambient.

Modular Range VRLA



Nominal capacity 50~4000Ah
Design life 18 years at 20°C ambient.

Modular Gel Range VRLA



Nominal capacity 50~4000Ah
Design life 18 years at 20°C ambient.

AINO MICRO Range VRLA



Nominal capacity 0.5~65Ah
Design life 5~8 years at 20°C ambient.

Deep Cycle Gel Range VRLA



Nominal capacity 18~250Ah
Design life 12 years at 20°C ambient.

CATV Series - Uninterruptible Power Supplies (UPS) for Outdoor cable TV

CATV Series, 0.6~1.5KVA

Line-interactive / Online UPS ideally suited for



Features

- ◆ Outdoor cable TV
- ◆ Microprocessor controlled
- ◆ Wide input voltage range
- ◆ Network Remote Management (optional)
- ◆ Easy maintenance
- ◆ High reliable design
- ◆ Military grade components
- ◆ Aluminum alloy water-proof enclosures for outdoor applications

Single Phase UPS - Uninterruptible Power Supplies (UPS)

Rack Mount series, 1~3KVA

Online UPS ideally suited for



Features

- ◆ 19 inch rack mounted design.
- ◆ Online double conversion technology.
- ◆ IGBT PFC technology.
- ◆ Wide input range.
- ◆ Zero transfer time.
- ◆ Complete protection function.
- ◆ Advanced battery management.
- ◆ Cold start.
- ◆ Complete protection function.
- ◆ Fan speed adjustment automatically.
- ◆ Optional external battery bank.
- ◆ EMI/RFI noise filter.
- ◆ Shutdown and restart schedule.

PowerAurora Series, 0.45~3KVA

Line-interactive UPS ideally suited for



Features

- ◆ Professional desktop PC
- ◆ Professional workstations
- ◆ Small routers, bridges
- ◆ Point-of-sale terminals
- ◆ Other sensitive electronic
- ◆ Microprocessor Control for High Reliability
- ◆ Boost and Buck AVR to Stabilize Output Voltage
- ◆ Green Power Function for Efficient Energy Saving
- ◆ Best Cost Performance Balance Design
- ◆ Built-in DC Start Function
- ◆ Auto Restart Function
- ◆ Overload Protection

DigitalActive Series, 0.75~15KVA

Digital line interactive UPS, Ideally protection for



Features

- ◆ Servers
- ◆ Data storage and network equipment
- ◆ Telephony - VoIP
- ◆ Medical equipment
- ◆ DSP based controls with diagnostics & power analysis
- ◆ Full LCD / LED display for unit complete control
- ◆ EPROM memory technology
- ◆ Enlarged charger for longer back-up time batteries
- ◆ Over 98% efficiency on AC mains, notable energy saving
- ◆ Automatic and manual battery tests
- ◆ Output Isolation Transformer
- ◆ Generator-compatible
- ◆ RS-232 communication interface, optional SNMP

PowerLead Series, 1~20KVA

Online double conversion UPS for



Features

- ◆ Telecommunication systems
- ◆ LAN and WAN servers
- ◆ Clustered network equipment
- ◆ Engineering network servers
- ◆ Microprocessor controlled
- ◆ True online double conversion technology
- ◆ Wide input voltage range
- ◆ Protect against the full spectrum of input and output power disturbances
- ◆ High efficiency
- ◆ Generator-compatible
- ◆ RS-232 communication interface, SNMP optional

PowerLead2 Series UPS, 6~10KVA

Online double conversion UPS for



Applications

- ◆ Servers
- ◆ Data storage and network equipment
- ◆ Clustered network equipment
- ◆ Engineering network servers
- ◆ Paralleling up to 4 units
- ◆ True online double conversion technology
- ◆ Smart communication port
- ◆ IGBT PFC technology
- ◆ Wide input range
- ◆ Complete protection function
- ◆ Cold start function

PowerStation Series UPS, 1~20KVA

Online double conversion UPS for



Applications

- ◆ Small-to-medium-sized data centers
- ◆ LAN and WAN servers
- ◆ Network closets
- ◆ VoIP
- ◆ True online double conversion technology
- ◆ High reliability & efficiency
- ◆ Intelligent digital display
- ◆ Generator-compatible
- ◆ RS-232 communication & optional SNMP
- ◆ Easy installation and maintenance
- ◆ Purified sine wave output
- ◆ IGBT technology, IC drive chip

Electric Power - Uninterruptible Power Supplies (UPS) for Electric Power

Electric Power UPS, 10~100KVA

True online UPS, Ideally protection for



Applications

- ◆ Data processing
- ◆ Medical imaging equipment
- ◆ Industrial process equipment
- ◆ Laboratories
- ◆ Harmonic filter
- ◆ Output isolation transformer
- ◆ N+1 Parallel operation
- ◆ Powering non-linear loads
- ◆ True online double conversion technology
- ◆ DSP based controls and IGBT technology
- ◆ Field-proven critical bus MTBF

Three Phase UPS - Uninterruptible Power Supplies (UPS) for Enterprise protection

PowerGuiding NT UPS, 10~20KVA

Online double conversion modular UPS for



Applications

- ◆ Financial
- ◆ Telecommunication
- ◆ Government
- ◆ Manufacturer
- ◆ Transportation
- ◆ Energy resource industries
- ◆ True Online Double conversion technology
- ◆ IGBT PFC technology
- ◆ Site wiring fault warning
- ◆ Wide input range
- ◆ Smart communication port
- ◆ Adaptive Synchronous Control technology
- ◆ Zero transfer time
- ◆ Completely protection function LCD/LED

Three Phase UPS - Uninterruptible Power Supplies (UPS) for Enterprise protection

PowerPlus XM series UPS, 10~200KVA

Online double conversion modular UPS for



Applications

- ◆ Financial
- ◆ Telecommunication
- ◆ Government
- ◆ Manufacturer
- ◆ Transportation
- ◆ Energy resource industries
- ◆ True Online Double conversion modular UPS
- ◆ IGBT Module and Three-Level Inverter technology
- ◆ High input power factor (>0.99), low input THDi (<3%)
- ◆ Vienna PFC control circuit
- ◆ Dual-DSP Intelligent Controller for individual power module
- ◆ Adaptive Synchronic Control technology
- ◆ 320x240 touch screen LCD
- ◆ Digital controlled charger and intelligent battery

PowerChampion TL Series UPS, 10~200KVA

True Online double conversion UPS for



Applications

- ◆ ISP (Internet Service Provider)
- ◆ IDC (Internet Data Center)
- ◆ Computing center
- ◆ Bank
- ◆ Server center
- ◆ Precise equipment and etc
- ◆ Compatible utility power 200/208/380/400/415VAC, 50/60Hz
- ◆ Offering load with best power quality
- ◆ Intelligent battery management, extending battery lifetime
- ◆ Large LCD display, friendly human machine interface
- ◆ Configured with top and bottom cable connection
- ◆ Full front maintenance, saving space
- ◆ Redundant fans design, increasing system reliability
- ◆ Modularized design of subsystem, convenient field

PowerPlus Series UPS, 10~200KVA

Online double conversion modular UPS for



Applications

- ◆ Data processing
- ◆ Medical imaging equipment
- ◆ Industrial process equipment
- ◆ Laboratories
- ◆ Bank
- ◆ Server center
- ◆ Precise equipment and etc
- ◆ Adopted module parallel connection
- ◆ Adopted centralized management
- ◆ Module parallel design, consist 1 to 10 rated UPS modules
- ◆ True online double conversion modular technology
- ◆ Support Hot-plug
- ◆ Input power factor is nearly equal to 1, input harmonic distortion is less 5%
- ◆ Inverting efficiency highly come to above 96%

PowerGuiding Series UPS, 8~60KVA

Online UPS, Ideally protection for



Applications

- ◆ Data processing
- ◆ Medical imaging equipment
- ◆ Industrial process equipment
- ◆ Laboratories
- ◆ IDC (Internet Data Center)
- ◆ Computing center
- ◆ True online double conversion technology
- ◆ DSP based controls and IGBT technology
- ◆ Field-proven critical bus MTBF
- ◆ Harmonic filter
- ◆ Output isolation transformer
- ◆ N+1 Parallel operation
- ◆ Powering non-linear loads

PowerChampion Series UPS, 10~300KVA

True online double conversion UPS for



Applications

- ◆ Facility-wide networks
- ◆ Medical equipment
- ◆ Industrial process
- ◆ large computer rooms
- ◆ Laboratories
- ◆ Bank
- ◆ Server center
- ◆ Precise equipment and etc
- ◆ Touch-sensitive large LCD
- ◆ On-line double conversion technology
- ◆ DSP based controls and IGBT technology
- ◆ Intelligent Eco mode for higher efficiency
- ◆ Field-proven critical bus MTBF
- ◆ Harmonic filter & 12 pulses optional
- ◆ Output isolation transformer
- ◆ Up to 8 units direct paralleling & N+1 paralleling

Solar Inverter



PV Series Grid-off Inverter

Solar / Photovoltaic / Telecom Applications

Features

- ◆ DSP control and IGBT technology
- ◆ Sinewave Pulse Width Modulation
- ◆ Output isolation transformer
- ◆ High efficiency
- ◆ Output short circuit protection
- ◆ Harmonic filtering
- ◆ LCD & LED displays



Sunrise Series Grid-tied Inverter

Solar / Photovoltaic

Features

- ◆ DSP control and IGBT technology
- ◆ MPPT technology
- ◆ Output isolation transformer
- ◆ Large-screen LCD monitor
- ◆ Perfect protection features
- ◆ Intelligent automatic monitoring
- ◆ Rs232, SNMP interface support



ETr Series (PWM) Hybrid Inverter

Solar / Photovoltaic / Telecom Applications

Features

- ◆ Wide input voltage range
- ◆ Built in charge controller and inverter
- ◆ Intelligent charge management
- ◆ Fault Indication Function
- ◆ Perfect protections
- ◆ Center Gasing System Optional



RMI Series rack-mount Inverter

Telecom / Electric Power / Solar Applications

Features

- ◆ With CPU digital control technology
- ◆ Can be AC power mode / DC power mode
- ◆ Can be switched to bypass on the running state
- ◆ Was designed with all kinds of intelligent fault protection functions
- ◆ Can support network communication system
- ◆ Provides dry contacts which can be used for

Sinewave Inverter



ESp Series Sinewave Inverter

Light/computer/TV and refrigerator

Features

- ◆ Sine wave output
- ◆ Mono-microcomputer controls
- ◆ Low down the speed of open
- ◆ Overloading protection
- ◆ Short circuit protection
- ◆ Discharge protection



ESc Series Portable Inverter

TV/computer/refrigerator/fan

Features

- ◆ Over voltage shutdown
- ◆ Over load protect
- ◆ Low voltage alarm and shutdown
- ◆ Short-circuit protect
- ◆ Over heat protect
- ◆ Advanced heat sink design and optimum component layout
- ◆ Standard AC outlet



ESm Series Home Inverter

Fan/light/TV/office Appliances

Features

- ◆ Micro Processor Control
- ◆ Delay Start function
- ◆ Overload protection
- ◆ Short circuit protection
- ◆ Battery reverse link protection
- ◆ Temperature protection
- ◆ AC Circuit Breaker
- ◆ Indicator LED



Industrial Charger



uXcel series

Silicon Controlled Rectifier(SCR)
Rectifier/Charger Range

Features

- ◆ SCR full-bridge rectifiers
- ◆ Fast acting fuse
- ◆ Up to IP65 external protection
- ◆ Wide voltage and current range
- ◆ Battery Management system
- ◆ Multiple protection
- ◆ Rs232, Rs485 network interface



uXcel ultra series

1 + 1 Parallel SCR Rectifier/Charger in one cabinet

Features

- ◆ Double charger modular
- ◆ Parallel work mode
- ◆ Easy to installation and maintenance
- ◆ High reliability and flexibility
- ◆ SCR full-bridge rectifiers
- ◆ RS485 network interface
- ◆ Up to IP65 external protection



SCR Stationary/Traction

Automatic intelligent SCR charger

Features

- ◆ Automatic Start / Stop
- ◆ Delayed Start and Automatic Restart
- ◆ Auto Equalize
- ◆ Control intelligently with a MCU
- ◆ Wa+Equalising charge curves
- ◆ LED display panel indicating
- ◆ Reverse and open circuit protection
- ◆ High power factor



CHF Stationary/Traction

CHF Series High Frequency Charger

Features

- ◆ Intelligent design and full automatic
- ◆ Small size, less weight and low noise
- ◆ Optimized circuit more reliable
- ◆ Saving 30% energy per charging
- ◆ Up to 87% efficiency
- ◆ Wide voltage and frequency range
- ◆ Intelligent charge management
- ◆ Short-circuit, over temperature protection

Telecom Rectifier

ER Series Telecom Rectifier



Features

- ◆ AC input 185-275VAC (85-185VAC at de-rated output)
- ◆ 48VDC rectifier with up to 1600W output
- ◆ 24VDC rectifier with up to 1400W output
- ◆ Fan cooled rectifier modules
- ◆ Front access design
- ◆ Temperature hardened -40°C to +65°C

- ◆ 19"or 23" mounting arrangement
- ◆ Extensive remote monitoring capabilities
- ◆ Modular DC distribution with LVD
- ◆ Power Factor correction
- ◆ ETSI compatible
- ◆ Modular system from 32A to 640A





Break free of unreliable grid connections, ongoing electrical bills and costly maintenance, schedules with solar power technology. Installing easily and cost-effectively, Our solar solutions eliminate the need for large specialized work crews, lengthy construction delays and costly permit requirements.

Solar Panel

We use only the highest quality solar panels available to ensure our solutions collect the maximum amount of energy available during sunlight hours. Allowing for increased system autonomy and aiding system performance during periods of low solar insolation, our choice in solar panels is just one of the reasons our solutions are proven to perform in some of the most difficult solar conditions on earth.

Batteries

We employ the highest quality batteries available. We know our products are going to be put to the test in some of the most extreme environments on earth and we need to know our batteries are up to the challenge. Allowing for maximum charge efficiency, and offering field-proven performance within an impressive temperature range, our batteries are the powerhouse behind our reputation for dependability.

Controller

We take pride in the world-class performance of our controller. From energy input to loads output and energy management, we attend to every detail of the energy conversion process. Our total system approach to engineering ensures that our system are up for the challenge, whatever it may be. As the most compact, easily installed, durable and reliable solar technology on the market our solutions do exactly what you expect them to do: perform.

Solar BTS System



LED Street Light System



Pump Water System



CCTV Monitoring System



ESCC-M12V010	ESCC-M24V010	ESCC-M48V010
ESCC-M12V015	ESCC-M24V015	ESCC-M48V015
ESCC-M12V020	ESCC-M24V020	ESCC-M48V020
ESCC-M12V030	ESCC-M24V030	ESCC-M48V030

Features

The most important feature of this controller is intelligently tracking input voltage from solar panel, which could let solar panel always work at Maximum Power Point of V-A curve. Compared with normal solar charge controller, this MPPT controller could increase efficiency at 10%-30%.



Model

ESCC-M12V010	ESCC-M12V010	ESCC-M12V015	ESCC-M12V020	ESCC-M12V030
	ESCC-M24V010	ESCC-M24V015	ESCC-M24V020	ESCC-M24V030
	ESCC-M48V010	ESCC-M48V015	ESCC-M48V020	ESCC-M48V030
Rated current	10A	15A	20A	30A

Characters

Rated Voltage	12V; 24V; 48V.
Full charge cut	13.7V/12V; 2/24V; X4/24V Recognize tacitly, rest.
Low voltage cut	10.5V/12V; X2/24V; X4/24V Recognize tacitly, rest.
Reconnected voltage	12.6/12V; 2/24V; X4/24V.
Temperature compensation	-3mv/cell°C Recognize tacitly, rest
No load loss	≤30mA
Min. Wire area	10mm ²
Voltage drop	<240mv
Net weight	600mg
Dimension	188X90X58mm

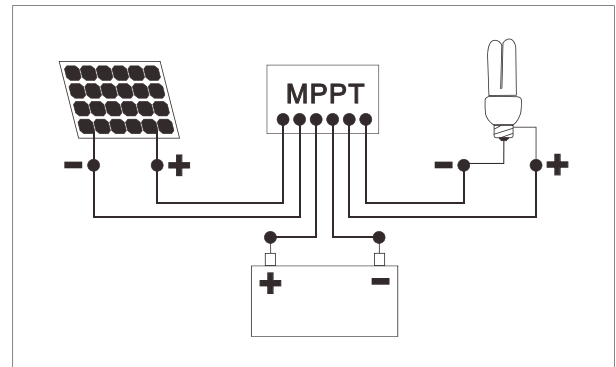


Solar MPPT Controller

Functions

This MPPT controller not only has above mentioned special function, but also equipped with completely protecting and controlling functions:

- > Overcharge protection
- > Over-discharge protection
- > Battery Reverse Current Protection
- > Overloading Protection
- > Short Circuit Protection
- > Reverse Polarity Connection Protection



Solar MPPT controller can also be made of the following specifications:
24V, 48V, 60A, 90A, 120A, 150A, 180A, 210A, 240A





- Micro-controller digital accuracy
- PWM regulation & State of Charge(SOC)
- Solar hybrid system control
- Automatic selection of voltage (12 V / 24 V)
- Integrated temperature compensation
- Battery Ah setting, boost charging, equalising charging, float charging
- LCD display: SOC as a fuel gauge, all system parameters in digital value, system status as symbols
- Fully automatic operation & Electronic protections

- Electronic protections
- Short circuit-solar and load
 - Overload-solar and load
 - Reverse polarity, reverse current at night
 - High voltage disconnect
 - Loads protected from voltage spikes
 - Automatic recovery with all protections



Model (ESCC series)	24V016D	24V020D(T)	24V024D	24V030D(T)	24V040D(T)	48V020D(T)	48V030D(T)	48V040D(T)	48V050D(T)
Max.module current	16A	20A	24A	30A	40A	20A	30A	40A	50A
Max.load current	16A	20A	24A	30A	40A	20A	30A	40A	50A
System voltage	12V/24V(Automatically)					48V			
Self power consumption	< 30mA								

(T) stand for: With Communication Port, without (T) stand for: Without Communication Port.



Model	ESCC24V060D	ESCC24V080D	ESCC24V110D	ESCC48V060D	ESCC48V080D	ESCC48V110D
Max.module current	60A	80A	110A	60A	80A	110A
Max.load current	60A	80A	110A	60A	80A	110A
System voltage	12V/24V(Automatically)			48V		
Self power consumption	< 60mA					



Model	ESCC12V005 / ESCC24V005	ESCC12V010 / ESCC24V010	ESCC12V012 / ESCC24V012
Max.module current	5A	10A	12A
Max.load current	5A	10A	12A
System voltage	12V or 12V/24V(Automatically)		
Self power consumption	< 10mA		

Functions

- Preventing battery from over charging, over discharging and Reverse-Current during nights.
- Controller will start up the lighting system in the evening automatically according to the intensity of the light
- Controller will shut down the lighting system according to the time setting or shut down the lighting system automatically when it is dawn



Model

Model	ESLC12V005LT / ESLC24V005LT	ESLC12V010LT / ESLC24V010LT
Max.output power	120W / 240W	
Rated current	5A	10A

Characters

Rated Voltage	12V or 24V(Automatically)
Max.output power	120W or 240W(Autoatically)
Rated charging current	10A
Rated load current	10A
Voltage of stop power supply	10.8V or 21.6V
Voltage of resume power supply	11.8V or 23.6V
Voltage of stop charge	14V or 28V
Working temperature	-20 ~ +40°C
Temperatruce Coefficient of Voltage stop charge	-3V/°C/Cell
No load loss	<20mA
Dimension	143X54X83mm
Weight	212g



Fitting for the solar lighting system is automatically controlled both lighting and solar panel.

Polycrystalline Solar Module Specification

Model	Maximum power at STC	Optimum operating voltage	Optimum operating current	Open circuit voltage	Short circuit current	Size of module	Weight	Cell array
Spec	Wp(W)	Vmp(V)	Imp(A)	Voc(V)	Isc(A)	L×W×H(mm)	Kg	PCS
ESM5-156	5	17.40	0.28	21.60	0.31	300×180×25	1.00	2×18
ESM10-156	10	17.40	0.57	21.60	0.63	340×285×25	1.40	2×18
ESM15-156	15	17.40	0.86	21.60	0.95	400×340×25	1.80	2×18
ESM20-156	20	17.40	1.15	21.60	1.26	540×340×25	2.30	2×18
ESM25-156	25	17.40	1.44	21.60	1.58	540×340×25	2.30	2×18
ESM30-156	30	17.40	1.72	21.60	1.89	760×340×25	3.70	4×9
ESM40-156	40	17.40	2.30	21.60	2.53	670×540×35	4.30	4×9
ESM45-156	45	17.40	2.58	21.60	2.84	670×540×35	4.30	4×9
ESM50-156	50	17.40	2.87	21.60	3.16	670×540×35	4.30	4×9
ESM60-156	60	17.40	3.45	21.60	3.79	760×670×35	6.30	4×9
ESM70-156	70	17.40	4.02	21.60	4.42	760×670×35	6.30	4×9
ESM75-156	75	17.40	4.31	21.60	4.74	760×670×35	6.30	4×9
ESM80-156	80	17.40	4.60	21.60	5.06	1015×670×35	8.50	4×9
ESM85-156	85	17.40	4.88	21.60	5.37	1015×670×35	8.50	4×9
ESM90-156	90	17.40	5.17	21.60	5.69	1015×670×35	8.50	4×9
ESM95-156	95	17.40	5.46	21.60	6.01	1015×670×35	8.50	4×9
ESM100-156	100	17.40	5.75	21.60	6.32	1015×670×35	8.50	4×9
ESM115-156	115	17.40	6.61	21.60	7.27	1260×670×35	11.50	4×9
ESM120-156	120	17.40	6.89	21.60	7.58	1260×670×35	11.50	4×9
ESM130-156	130	17.40	7.47	21.60	8.21	1480×670×35	13.50	4×9
ESM135-156	135	17.40	7.76	21.60	8.53	1480×670×35	13.50	4×9
ESM140-156	140	17.40	8.05	21.60	8.85	1480×670×35	13.50	4×9
ESM150-156	150	17.40	8.62	21.60	9.48	1480×670×35	13.50	4×9
ESM160-156	160	23.42	6.83	28.70	7.35	1320×990×35	14.00	6×8
ESM190-156	190	26.78	7.09	32.40	7.72	1482×992×50	15.00	6×9
ESM200-156	200	27.22	7.35	32.64	8.04	1482×992×50	15.00	6×9
ESM210-156	210	27.30	7.69	33.00	8.26	1482×992×50	15.00	6×9
ESM225-156	225	30.36	7.41	36.42	8.10	1640×992×50	17.50	6×10
ESM230-156	230	30.24	7.60	36.60	8.17	1640×992×50	17.50	6×10
ESM240-156	240	30.90	7.79	37.00	8.39	1640×992×50	17.50	6×10
ESM250-156	250	31.50	7.99	37.30	8.7	1640×992×50	17.50	6×10
ESM260-156	260	35.78	7.27	43.50	8.03	1956×992×50	24.00	6×12
ESM270-156	270	36.07	7.49	43.78	8.14	1956×992×50	24.00	6×12
ESM280-156	280	36.36	7.70	44.06	8.26	1956×992×50	24.00	6×12
ESM290-156	290	36.65	7.91	44.43	8.40	1956×992×50	24.00	6×12
ESM300-156	300	37.15	8.07	44.68	8.45	1956×992×50	24.00	6×12

STC: Irradiance 1000W/m², Module temperature 25°C, AM1.5 spectrum.
Product specifications are subject to change without further notice.

Monocrystalline Solar Module Specification

Model	Maximum power at STC	Optimum operating voltage	Optimum operating current	Open circuit voltage	Short circuit current	Size of module	Weight	Cell array
Spec	Wp(W)	Vmp(V)	Imp(A)	Voc(V)	Isc(A)	L×W×H(mm)	Kg	PCS
ESM5S-125	5	17.4	0.28	21.6	0.31	285×190×25	1.0	4×9
ESM10S-125	10	17.4	0.57	21.6	0.63	340×280×25	1.4	2×18
ESM15S-125	15	17.4	0.86	21.6	0.95	445×285×25	1.8	2×18
ESM20S-125	20	17.4	1.15	21.6	1.27	615×285×25	2.5	2×18
ESM25S-125	25	17.4	1.44	21.6	1.68	540×420×25	3.5	4×9
ESM30S-125	30	17.4	1.72	21.6	1.89	540×420×25	3.5	4×9
ESM35S-125	35	17.4	2.02	21.6	2.34	620×540×25	4.3	4×9
ESM40S-125	40	17.4	2.30	21.6	2.53	620×540×35	4.3	4×9
ESM45S-125	45	17.4	2.58	21.6	2.84	620×540×35	4.3	4×9
ESM50S-125	50	17.4	2.87	21.6	3.16	620×540×35	4.3	4×9
ESM60S-125	60	17.4	3.45	21.6	3.80	835×540×35	7.5	4×18
ESM65S-125	65	17.4	3.74	21.6	4.11	835×540×35	7.5	4×18
ESM70S-125	70	17.4	4.02	21.6	4.42	1005×540×35	8.0	4×18
ESM75S-125	75	17.4	4.31	21.6	4.74	1070×540×35	8.2	4×18
ESM80S-125	80	17.4	4.60	21.6	5.06	1200×540×35	8.5	4×9
ESM85S-125	85	17.4	4.88	21.6	5.37	1200×540×35	8.5	4×9
ESM90S-125	90	17.4	5.17	21.6	5.69	1200×540×35	8.5	4×9
ESM95S-125	95	17.4	5.46	21.6	6.01	1200×540×35	8.5	4×9
ESM100S-125	100	17.4	5.75	21.6	6.33	1200×540×35	8.5	4×9
ESM120S-125	120	17.4	6.90	21.6	7.46	1220×808×35	12.0	6×18
ESM130S-125	130	17.4	7.47	21.6	8.21	1220×808×35	12.0	6×18
ESM140S-125	140	17.4	8.05	21.6	8.85	1220×808×35	12.0	6×18
ESM150S-125	150	17.4	8.62	21.6	9.47	1220×808×35	12.0	6×18
ESM180S-125	180	34.9	5.16	43.2	5.68	1580×808×50	19.3	6×12
ESM185S-125	185	34.9	5.30	43.2	5.83	1580×808×50	19.3	6×12
ESM190S-125	190	34.9	5.44	43.2	5.98	1580×808×50	19.3	6×12
ESM195S-125	195	34.9	5.58	43.2	6.15	1580×808×50	19.3	6×12
ESM200S-125	200	34.9	5.73	43.2	6.30	1580×808×50	19.3	6×12
ESM210S-125	210	34.9	6.01	43.2	6.61	1580×808×50	19.3	6×12
ESM225S-125	225	45	5.00	56.2	5.32	1702×945×45	19.0	7×13
ESM230S-125	230	45.5	5.06	56.6	5.50	1702×945×45	19.0	7×13
ESM240S-125	240	48.4	4.96	58.8	5.42	1580×1062×50	22.0	8×12
ESM250S-125	250	48.6	5.15	59.6	5.48	1580×1062×50	22.0	8×12
ESM260S-125	260	49.1	5.29	60.0	5.57	1580×1062×50	22.0	8×12
ESM280S-156	280	36.36	7.70	44.1	8.26	1956×992×50	20.0	6×12

STC: Irradiance 1000W/m², Module temperature 25°C, AM1.5 spectrum.
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