

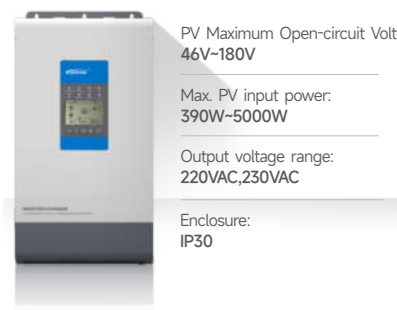
*For more details, please refer to the datasheet of the products.

INVERTER / CHARGER

EPEVER inverter charger supports solar charging, utility charging, oil generator charging, bypass output, inverter output, and energy management. It supports single or dual solar inputs, various charging and AC output modes. Our inverter chargers are diverse, supporting parallel and three-phase configurations. Some series have feed-in to grid function. The intuitive LCD screen enhances user experience, providing easy energy control.

Upower (800W,5000W)

- Solar Charging, Utility Charging, Oil Generator Charging, Bypass Output, Inverter Output
- 12,24,48VDC



PV Maximum Open-circuit Voltage: 46V-180V
Max PV input power: 350W-5000W
Output voltage range: 220VAC,230VAC
Enclosure: IP30

UPower-Hi (2000W,5000W)

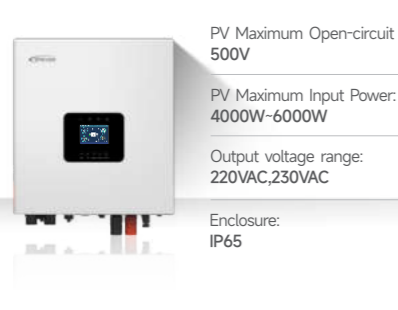
- Solar Charging, Utility Charging, Oil Generator Charging, Bypass Output, Inverter Output
- 24,48VDC



PV Maximum Open-circuit Voltage: 220V-500V
PV Maximum Input Power: 2000W-4000W
Inverter Output Voltage: 110V or 220V
Enclosure: IP30

HP 65 Series (3500W,5500W)

- Off-Grid Inverter Charger
- Solar Charging, Utility Charging, Oil Generator Charging, Bypass Output, Inverter Output
- 24,48VDC



PV Maximum Open-circuit Voltage: 46V-180V
PV Maximum Input Power: 4000W-6000W
Output voltage range: 220VAC,230VAC
Enclosure: IP65

HP 20SA Series (3500W,5500W)

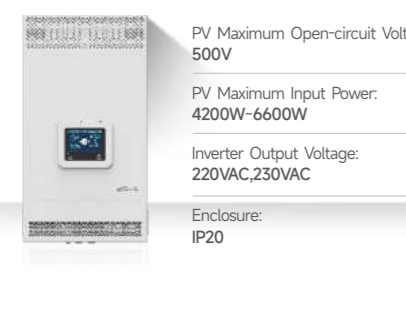
- Off-Grid Inverter Charger
- Dual MPPT Charging
- Max. PV Input Current: 15A*15A
- 48VDC



PV Maximum Open-circuit Voltage: 500V
PV Maximum Input Power: 4000W,6000W
Inverter Output Voltage: 220VAC,230VAC
Enclosure: IP20

Kirin Series (3500W,5500W)

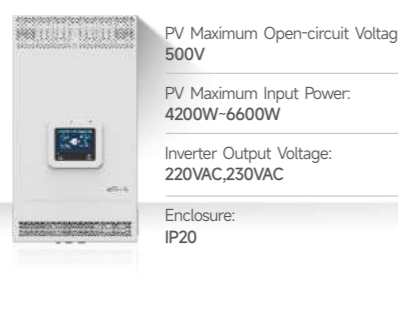
- Off-Grid Inverter Charger
- Dual MPPT Charging
- WiFi Built-in Option
- Dual Load Outputs
- Max. PV Input Current: 16A*16A/20A*20A
- 24VDC,48VDC



PV Maximum Open-circuit Voltage: 500V
PV Maximum Input Power: 4200W-6600W
Inverter Output Voltage: 220VAC,230VAC
Enclosure: IP20

Unicorn Series (3500W,5500W)

- Hybrid Inverter Charger
- Feed-in to Grid Function
- Dual MPPT Charging
- WiFi Built-in Option
- Dual Load Outputs
- Max. PV Input Current: 16A*16A/20A*20A
- 24VDC,48VDC



PV Maximum Open-circuit Voltage: 500V
PV Maximum Input Power: 4200W-6600W
Inverter Output Voltage: 220VAC,230VAC
Enclosure: IP20

HOME BATTERY BACKUP

The home battery backup equipped with built-in battery. It enables charging from different sources such as solar panels, utilities, and external power generators. The system ensures a pure sine wave output for a clean and stable power supply, while also providing advanced energy management capabilities. The large-sized LCD display makes the system user-friendly. With multiple types of AC and DC output ports supporting various household appliances, tablets, laptops, etc. By using 4G or WiFi modules, you can remotely monitor the status and configure the data of the device through the EPEVER app.

HP5-AHL

- Two AC Outputs And Multiple DC Outputs, Built-in LiFePO4 Battery



Utility Rated Voltage: 220VAC
Inverter Rated Power: 1000W, 1500W, 2500W
Battery Type: LiFePO4
Battery Rated Capacity: 40Ah,60Ah,100Ah
Battery Rated Voltage: 25.6VDC

HP-AL-S

- Camper Van, Rural House, RV, Water Pump, DC Output, AC Appliance



Utility Rated Voltage: 220VAC
Inverter Rated Power: 1000W, 1500W, 2500W
Battery Type: GEL
Battery Rated Capacity: 55Ah*2, 70Ah*2, 120Ah*2
Battery Rated Voltage: 24VDC

ALL-IN-ONE

This all-in-one system features a stacked design of "charging inverter + lithium battery module," ensuring easy installation through modular stacking. It supports solar charging, utility charging, oil generator charging, bypass output, inverter output, and energy management. Supporting dual PV inputs (independently or in parallel) enhances PV utilization. This all-in-one system outputs a pure sine wave, converting DC to AC power. With multiple charging and AC output modes, users can flexibly optimize solar or grid energy use. With various battery combinations, it meets diverse user needs for high-capacity energy storage.

STACKABLE

- ROHH Household Energy Storage Power Supply, Small-scale Commercial Power Supply



Inverter Rated Power: 5500W
Battery Capacity: 5.12KWH-30.72KWH
Number of Modules: 1-6
IP Class: IP20/IP30

WALL-MOUNTED

- ROHH Household Energy Storage Power Supply, Small-scale Commercial Power Supply



Inverter Rated Power: 3500W-5500W
Battery Capacity: 5.12KWH-30.72KWH
Number of Modules: 1-6
IP Class: IP20

PORTABLE POWER STATION

The ATZ series stands out as a reliable portable power station, perfect for a variety of applications including outdoor adventures, emergency home backup power, and more. Featuring multiple AC and DC output interfaces, the ATZ series delivers impressive power, reaching up to 3600W and peaking at 5400W. Its dual-wheel handle design ensures convenient travel. With ultra-fast charging and various charging methods, it caters to the evolving energy needs of modern lifestyles. The device, equipped with a large-capacity lithium battery expandable up to 4096Wh, provides reliable power to meet your needs.

ATZ

- RV camping, Outdoor operations, Home backup power, etc.



Main Battery Pack

Rated AC input voltage: 230VAC
Rated output power: 3600W
Battery Type: Lithium iron phosphate
IP Class: IP20

Secondary Battery Pack

Rated voltage: 51.2VDC
Nominal capacity: 2048Wh
Battery Type: Lithium iron phosphate
IP Class: IP20

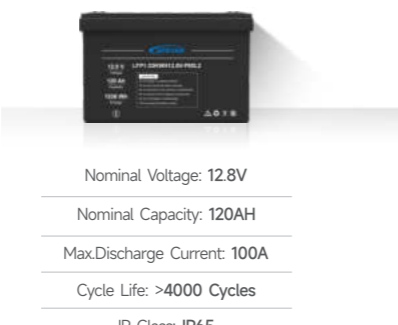
LiFePO4 LITHIUM BATTERY

The EPEVER lithium battery incorporates A-class LiFePO4 cells, supporting deep discharge and boasting an exceptionally long cycle life. It supports both series and parallel connections, caters to a diverse range of applications, ranging from extensive large-scale energy storage systems to more compact energy solutions. The battery is equipped with intelligent BMS (Battery Management System). The LCD display screen (optional) could provide you vital parameters such as voltage, temperature, and State of Charge (SOC). The unique safety redundancy design ensures the battery remains stable and reliable even in the event of malfunctions or abnormal conditions.

ABS CASE BATTERY

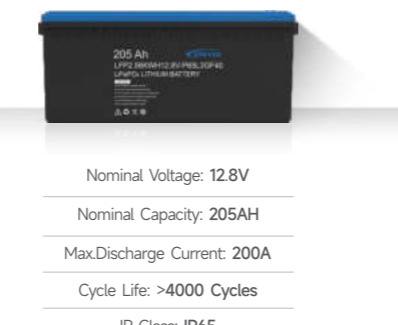
Emergency Power Supply for Home Use, RV, Camping

LFP15.3KWH 12.8V-P65 L2



Nominal Voltage: 12.8V
Nominal Capacity: 120AH
Max.Discharge Current: 100A
Cycle Life: >4000 Cycles
IP Class: IP65

LFP2.56KWH 12.8V-P65 L3GF40



Nominal Voltage: 12.8V
Nominal Capacity: 205AH
Max.Discharge Current: 200A
Cycle Life: >4000 Cycles
IP Class: IP65

LFP3.07KWH 25.6V-P65 L2



Nominal Voltage: 25.6V
Nominal Capacity: 120AH
Max.Discharge Current: 100A
Cycle Life: >4000 Cycles
IP Class: IP65

METAL CASE BATTERY

Emergency Power Supply for Home Use, RV, Camping

LFP0.64KWH 12.8V-P20 L2



Nominal Voltage: 12.8V
Nominal Capacity: 50AH
Max.Discharge Current: 50A
Cycle Life: >4000 Cycles
IP Class: IP20

LFP1.28KWH 12.8V-P20 L1



Nominal Voltage: 12.8V
Nominal Capacity: 100AH
Max.Discharge Current: 100A
Cycle Life: >4000 Cycles
IP Class: IP20

LFP2.56KWH 12.8V-P20 L1



Nominal Voltage: 12.8V
Nominal Capacity: 200AH
Max.Discharge Current: 100A
Cycle Life: >4000 Cycles
IP Class: IP20

LFP2.56KWH 25.6V-P20 L1



Nominal Voltage: 25.6V
Nominal Capacity: 200AH
Max.Discharge Current: 100A
Cycle Life: >4000 Cycles
IP Class: IP20

RACK-MOUNTED BATTERY

Backup Power for Telecommunications Base Stations, Residential Energy Storage

LFP4.8KWH 48V-P20 R1



Nominal Voltage: 48V
Nominal Capacity: 100AH
Max.Discharge Current: 100A
Cycle Life: >4000 Cycles
IP Class: IP20

LFP5.12KWH 51.2V-P20 R1



Nominal Voltage: 51.2V
Nominal Capacity: 100AH
Max.Discharge Current: 100A
Cycle Life: >4000 Cycles
IP Class: IP20

LFP5.12KWH 51.2V-P20 R2EV50



Nominal Voltage: 51.2V
Nominal Capacity: 205AH
Max.Discharge Current: 100A
Cycle Life: >5000 Cycles
IP Class: IP20

LFP10.5KWH 51.2V-P20 R1GF30



Nominal Voltage: 51.2V
Nominal Capacity: 205AH
Max.Discharge Current: 200A
Cycle Life: >5000 Cycles
IP Class: IP20

SOLID-STATE BATTERY

Residential Energy Storage

WALL-MOUNTED

- LFP5.42KWH 51.2V-P65 HIQT50



Nominal Voltage: 51.2V
Nominal Capacity: 106AH
Max.Discharge Current: 100A
Cycle Life: >5000 Cycles
IP Class: IP65

LFP5.42KWH 51.2V-P65 H2QT50



Nominal Voltage: 51.2V
Nominal Capacity: 106AH
Max.Discharge Current: 100A
Cycle Life: >5000 Cycles
IP Class: IP65

STACKABLE

- LFP5.42KWH 51.2V-P65 FIQT50



Nominal Voltage: 51.2V
Nominal Capacity: 106AH
Max.Discharge Current: 100A
Cycle Life: >5000 Cycles
IP Class: IP65

LFP10.85KWH 51.2V-P65 FIQT50



Nominal Voltage: 51.2V
Nominal Capacity: 212AH
Max.Discharge Current: 200A
Cycle Life: >5000 Cycles
IP Class: IP65

EU-CERTIFIED BATTERY

Emergency Power Supply for Home Use, RV, Camping

LFP0.64KWH 12.8V-P65 L2GT40



Nominal Voltage: 12.8V
Nominal Capacity: 50AH
Max.Discharge Current: 100A
Cycle Life: >4000 Cycles
IP Class: IP65

LFP19.2KWH 12.8V-P65 L2TN40



Nominal Voltage: 12.8V
Nominal Capacity: 150AH
Max.Discharge Current: 150A
Cycle Life: >4000 Cycles
IP Class: IP65

LFP1.28KWH 25.6V-P65 L2GT40



Nominal Voltage: 25.6V
Nominal Capacity: 50AH
Max.Discharge Current: 100A
Cycle Life: >4000 Cycles
IP Class: IP65

LFP3.84KWH 25.6V-P65 L2TN40



Nominal Voltage: 25.6V
Nominal Capacity: 150AH
Max.Discharge Current: 150A
Cycle Life: >4000 Cycles
IP Class: IP65

LFP5.42KWH 51.2V-P65 F2QT50



Nominal Voltage: 51.2V
Nominal Capacity: 106AH
Max.Discharge Current: 100A
Cycle Life: >5000 Cycles
IP Class: IP65

LFP10.85KWH 51.2V-P65 F2QT50



Nominal Voltage: 51.2V
Nominal Capacity: 212AH
Max.Discharge Current: 200A
Cycle Life: >5000 Cycles
IP Class: IP65

LFP1.28KWH 12.8V-P65 L2EV50



Nominal Voltage: 12.8V
Nominal Capacity: 100AH
Max.Discharge Current: 150A
Cycle Life: >5000 Cycles
IP Class: IP65

LFP2.56KWH 12.8V-P65 L2GF40



Nominal Voltage: 12.8V
Nominal Capacity: 205AH
Max.Discharge Current: 200A
Cycle Life: >4000 Cycles
IP Class: IP65

LFP2.56KWH 25.6V-P65 L2EV50



Nominal Voltage: 25.6V
Nominal Capacity: 100AH
Max.Discharge Current: 150A
Cycle Life: >5000 Cycles
IP Class: IP65

LFP5.12KWH 25.6V-P65 L2GF40



Nominal Voltage: 25.6V
Nominal Capacity: 205AH
Max.Discharge Current: 200A
Cycle Life: >4000 Cycles
IP Class: IP65



PV & ESS PRODUCTS



www.epever.com



EPEVER TECHNOLOGY

2007 Established In **120+** Countries Served **200+** Proprietary Technology **30+** Industry Experience

Empowering the World with Solar Energy

Since 2007, EPEVER has been at the forefront of the solar industry, providing innovative tools for efficient and reliable energy harvesting from the sun. Based in Beijing, we leverage a rich pool of talent to pioneer technologies that make solar power accessible everywhere.

Our Products:
 Solar Charge Controllers: Both MPPT and PWM varieties are designed for maximizing solar yield.
 Inverters and Inverter Chargers: For seamless conversion of solar energy to usable power, compatible with on-grid and off-grid systems.
 Lithium Batteries and Energy Storage: Our latest advancements in energy storage to complement our comprehensive solar systems, including home battery backup and portable power stations.

Global Reach and Local Expertise:
 EPEVER's journey began as a modest enterprise and has since grown to a global stature, with over 120 partners worldwide. Our commitment extends beyond borders, aiming to ensure that every individual and community can utilize solar energy to its fullest potential.

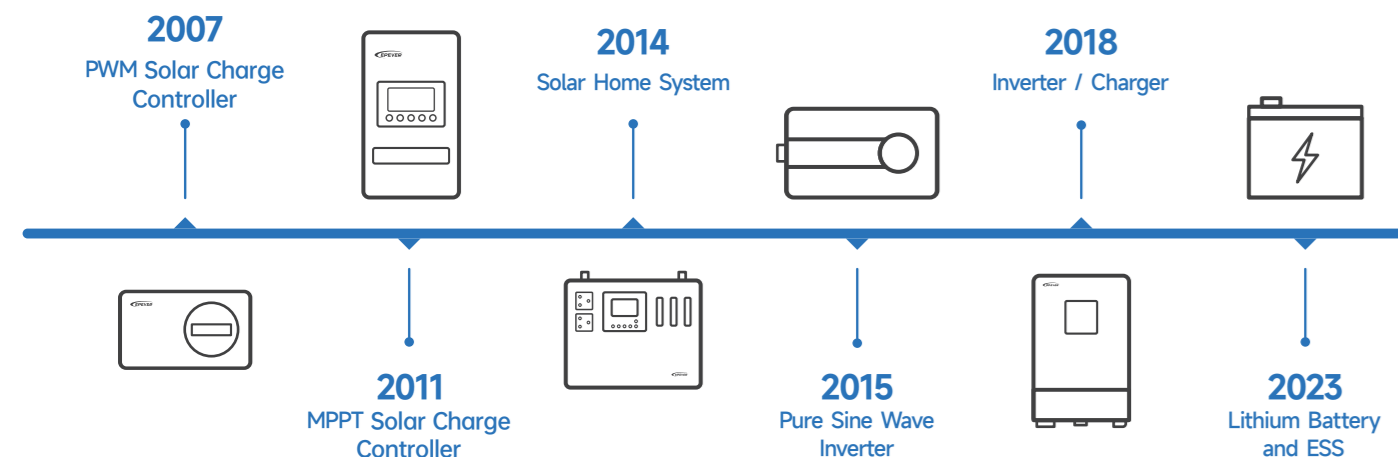
Quality and Innovation:
 Our products are backed by international standards and certifications (ISO9001, ISO14001, ISO45001), with compliance to CGC-SOLAR, CE, ROHS, FCC, ETL, and UL. In 2019, we expanded our capabilities with a cutting-edge manufacturing facility in Huizhou, enhancing our production to meet the growing demand for high-quality solar solutions.

Our Mission:
 It's our mission to bridge the gap between technology and sustainability, enabling higher efficiency and performance in energy consumption. We strive to empower lives with green energy – because it's not just our business, it's our passion.

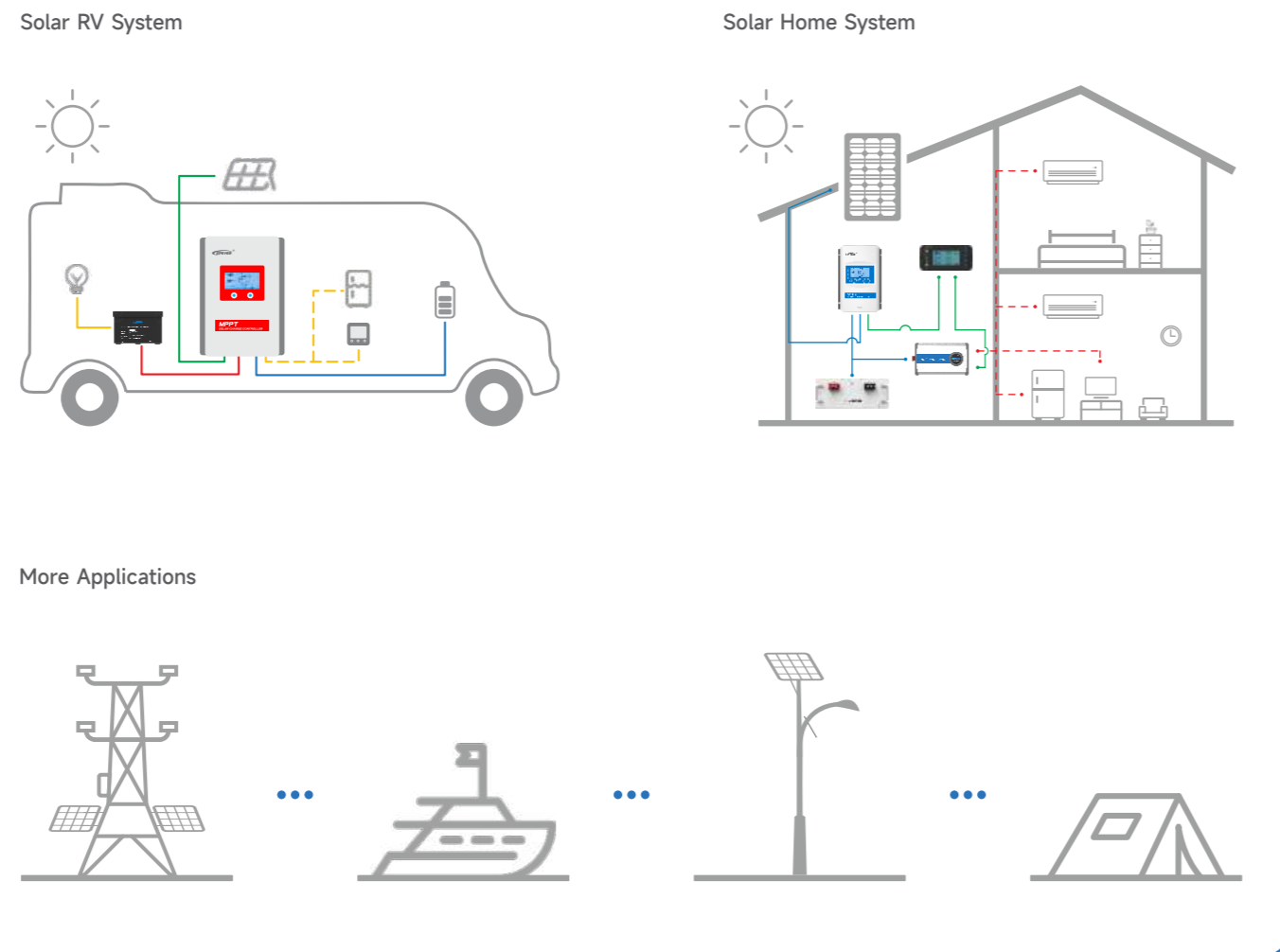
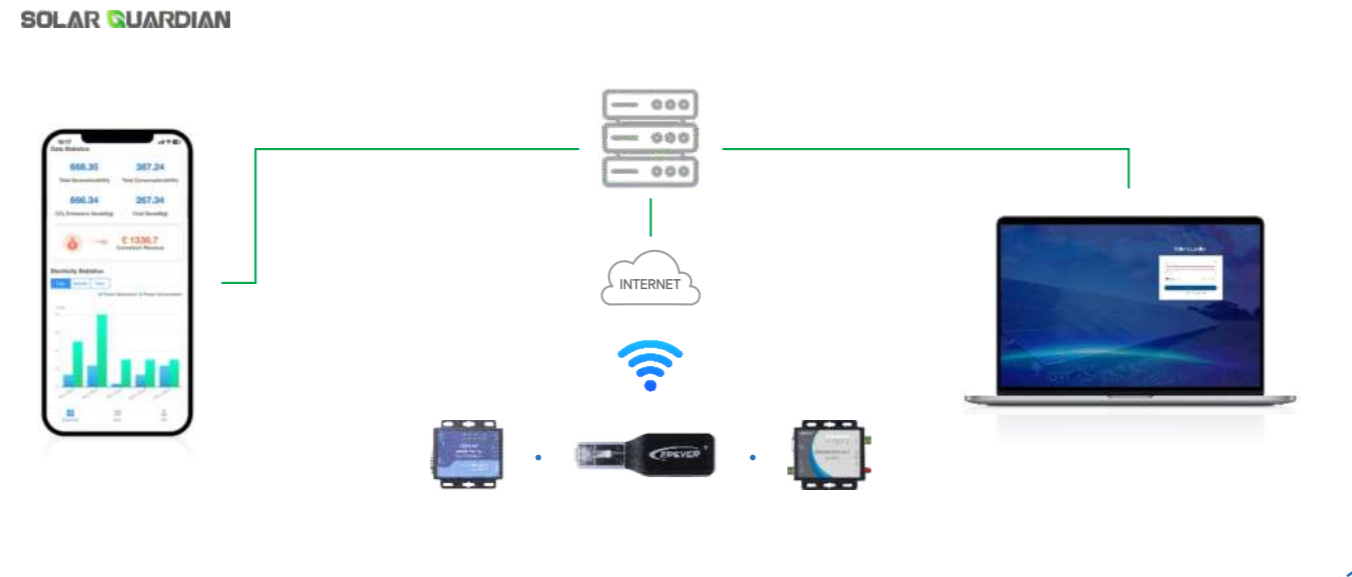
Discover the full potential of solar with EPEVER's trusted products.



PRODUCT DEVELOPMENT HISTORY



EPEVER SOLUTIONS



*For more details, please refer to the datasheet of the products.

MPPT SOLAR CHARGE CONTROLLER

The MPPT solar charge controller stands out with its advanced control algorithm, ensuring minimal power loss and swift tracking of the PV array's maximum power point (MPP). This ensures your solar panels operate optimally, delivering maximum power output despite changing weather or sunlight variations. The controller prioritizes stability through limits on charging current and power, along with automatic adjustments for high-temperature scenarios. Its cutting-edge MPPT technology guarantees ultra-fast tracking, achieving an impressive tracking efficiency of over 99.5%.

Tracer-AN (50A-100A) RV, Household System, Field Monitoring Voltage: 12/24/36/48VDC Auto Rated Charging Power: 625W-5000W Rated Charging Current: 50A-100A Max. PV open circuit voltage: 200V	XTRA-N G3 RV, Household System, Field Monitoring Voltage: 12/24/36/48VDC Auto Rated Charging Power: 130W-1040W Rated Charging Current: 10A-40A Max. PV open circuit voltage: 150V	DuoRacer RV, Camper Voltage: 12/24VDC Auto Rated Charge Power: 130W-780W Rated Charge Current: 10A-30A Max. PV open circuit voltage: 100V	ITracer-ND Telecommunication Base Stations, Household System, Monitoring System Voltage: 12/24/36/48VDC Auto Maximum Input Power: 800W-3200W Nominal Battery Current: 60A Max. PV open circuit voltage: 150V
Tracer-BP Solar Home System, Traffic Signal, Solar Street Light Voltage: 12/24VDC Auto Rated charge power: 130W-780W Rated charge/discharge current: 10-30A Max. PV open circuit voltage: 100V Enclosure: IP68	Tracer-CPN RV, Household System, Field Monitoring Voltage: 12/24VDC Auto Rated Charge Power: 260W-780W Rated Charge/Discharge Current: 20,30A Max. PV open circuit voltage: 100V Enclosure: IP68	Tracer-BPL Solar LED Lighting, Dimmer Function Voltage: 12/24VDC Auto Rated charge power: 130W-520W Rated charge current: 10-20A Max. PV open circuit voltage: 100V Max. output current: 3.3A-6.6A Max. output power: 100W-200W Enclosure: IP68	Tracer-LPLI Solar LED Lighting, Dimmer Function Voltage: 12/24VDC Rated charge power: 130W-520W Rated charge current: 10-20A Max. PV open circuit voltage: 100V Max. output current: 3.3A-6.6A Max. output power: 100W-200W Enclosure: IP68

PWM SOLAR CHARGE CONTROLLER

The EPEVER PWM Charge Controller enhances your solar charging experience by efficiently managing solar power. Utilizing precise PWM technology ensures prolonged battery life. The comprehensive electronic protection features make sure the outstanding performance. It effectively reduces initial investment costs and saves on later operational expenses.

GoMate RV, Vessel Current: 30A Voltage: 12/24VDC Auto	LS-B Solar Home System, Traffic Signals, Camping System, Solar Garden Lamps Current: 10A-30A Voltage: 12/24VDC Auto
---	---

VS-AU Solar Home System, Traffic Signals, Camping System, Solar Garden Lamps Current: 10A-60A Voltage: 12/24/36/48VDC Auto	LS-EU Solar Home System, Traffic Signals, Camping System, Solar Garden Lamps Current: 5A-30A Voltage: 12/24VDC Auto	VS-BN Solar Home System, Traffic Signals, Camping System, Solar Garden Lamps Current: 10A-60A Voltage: 12/24/36/48VDC Auto
LS-LPLW Solar LED Lighting, Dimmer Function Current: 10A,20A Voltage: 12/24VDC or Auto Max. output power: 40W/12V,120W/24V Max. output current: 2.0A-4.0A Enclosure: IP68	LS-EPD Solar Home System, Traffic Signal, Solar Street Light, Solar Garden Lamp Current: 10A,20A Voltage: 12/24VDC Enclosure: IP67	LS-LPLI Solar LED Lighting, Dimmer Function Current: 10A,20A Voltage: 12/24VDC Max. output power: 40W/12V,120W/24V Max. output current: 2.0A-4.0A Enclosure: IP68

PURE SINE WAVE INVERTER

Transform your off-grid, marine, and industrial experiences with EPEVER inverter. This pure sine wave inverter employs advanced SPWM technology, featuring a fully digital dual closed-loop control of current and voltage. Quick response, high conversion efficiency, and low Total Harmonic Distortion (THD) ensure the reliable operation of the inverter. Versatile AC output sockets make the inverter your go-to solution for safe, efficient, and adaptable power.

iPower-Plus RV, Boat, Residential Output power: 350W-5000W Rated input voltage: 12,24,48VDC Output voltage: 100VAC-120VAC or 220VAC-240VAC	iPower Household Emergency Lighting System, Vehicle-mounted System, Small Field Power Supplies Output power: 280W-1600W Rated input voltage: 12,24,48VDC Output voltage: 110VAC-120VAC or 220VAC-230VAC
iPT Vehicle, Security Monitoring, Emergency Lighting, Household Power System Output power: 350W-5000W Rated input voltage: 12,24,48VDC Output voltage: 100VAC-120VAC or 220VAC-240VAC	NPower Vehicle Inverter Application, RV, Household, Solar Yacht, Solar Power Station Output power: 260W-5000W Rated input voltage: 12,24,48VDC Output voltage: 110VAC-120VAC or 220VAC-230VAC



Copyright© BEIJING EPSOLAR TECHNOLOGY CO., LTD.2024. All rights reserved.
 Note: All product information and technical data in this document may contain predictive information. Therefore, this document is for reference only. Epsolar shall not be liable for any action you make based on this document. The company reserves the right to modify this document at any time without prior notice.

Version: 2024 Jul