SUMRY NEXT Next Power

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Company website

VERSION:V20250605

SUMRY

广东三瑞电源有限公司

GUANGDONG SUNRAYPOWERCO.,LTD

HuiZhou Industrial Park
Huizhou plant area(61000M^2)

R&D and sales center

ABOUT US

COMPANY PROFILE

Guangdong Sunray Power Co., Ltd. is a national high-tech enterprise specializing inthe research, design, production, sales, and service ofphotovoltaic and energy storageproducts. Its subsidiary brands include Shenzhen Sunray and Shenzhen Nextpower.Headquartered in Huizhou , the company's factory covers an area of61,000 square meters.It has a 2000 square meter research and development center and sales center base inShenzhen. With over 1,000 employees, its marketing and service network spans acrossmore than 100 countries and regions worldwide.

Guangdong Sunray has a comprehensive research and quality assurance system, withmain products including photovoltaic inverters, lithium batteries, uninterruptible powersupplies, photovoltaic controllers, and photovoltaic energy storage inverters. These productsare widely used in national defense, scientific research, communications, transportationnew energy, and other fields. The products have obtained CE,VDE, SGS safety certifications.IS09001 quality management system certification, as well as multiple invention patents,.appearance design patents, utility model patents, and computer software copyrights.

In the Low-CarbonAge, Guangdong Sunray will continue to innovate in photovoltaicand energy storage technologies, providing products and solutions to customers.

Industry Experience
20+ yers

Patents
800+ sum

Team Members
1000+ people

Installation Case
100+ countries or regions

Corporate Mission

Committed to become a global leading supplier of energy equipment and system solutions

Corporate Vision

Pursue the material and spiritual happiness of all partners

Core Values

University, effort, modesty, introspection, gratitude, altruism, optimism, innovation

Enterprise Spirit

Swift and resolute, truly practical and diligent

QUALIFICATIONS >>>>>

COMPANY HISTORY >>>>>

Company History

2004 - 2005

In 2004.
Shenzhen Qingneng Electronics Co., Ltd. was established

In 2005.
the company completed the team building and started product development

2007 - 2011

In 2007.
it became afamous UPS supplier athome and abroad

In 2008.
Shenzhen Sunray Power Co.,Ltd.was established

In 2009.
off grid inver terand grid connected inverter were launched

In 2010.
solar inverter and parallel off grid integrated inverter were launched

In 2011.
TUV certification was obtained

2012 - 2016

In 2012.
the companyentered the self built plantand began to enter the photovoltaic inverterindustry

In 2014.
obtained the EU CE certification and VDE certification

In 2015.
Pakistan factory was responsible for the localization operation service of the company'sproducts,and the company established its first overseas project; the company established four foreign trade platforms of Ali international station

In 2017.
obtained the EU CE certification and VDE certification

2017 - 2019

In 2017.
Shenzhen Next Power Technology Co.,Ltd was established.Three people formed a R&D team.

In 2018.
We obtained patent certificate of appearance Design for Energy storage solar inverters.VICTOR XM series and VICTOR NM I series came out.

In 2018.
In 2018, the company's performance exceeded 100 million yuan for the first time, and the business market was divided into global regions

In 2019.
obtained IS09001 quality management system certification

In 2019.
Island detection control software V1.0for NEXT POWER PV 500E on grid solar system.PV 500V off grid MPPT charger controller software for solar inverters.Solar inverter software V1.0 that can support mutiple monitoring methods such asWIF/GPRS/RS232/USB

2020 - 2021

In 2020.
Certificate of high-tech enterprise Is09001 quality management system certification
Control software 1 .0 for 1-10KW off grid solar inverters
Victor NM Series 3.2KW off grid solar inverters came out
Employees up to 20 members

In 2021.
Patent certificate of appearance Design for off grid solar inverters Software (Android version)V1.0 for Fronus SolarCE certification for Victor NM series, Victor NM-IV Plus series Victor NM II PLUS series and Victor NM II series, 3.5kW and5.5KW off grid solar inverters.Strategic Cooperation with Fronus, the 1st overseas projectThe1st production line was established Turnover 30 millionUSD

2022 - 2023

In 2022.
Victor NM Series,1.5KW/1.6KW/2.4KW/3KW off grid solar inverters.Victor NM-IV PLUS Series and Victor NM-PRO Series.3.6KW.4.2KW and 6.2KW hybrid solar inverters.CE for Victor NM MAX, Victor NML.4 production lines150 employees.Turnover 75 million USD

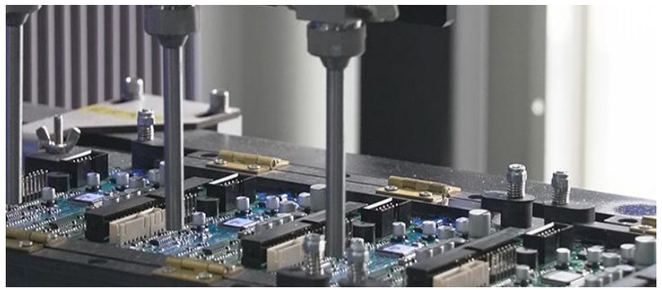
In 2022.
Sales performance reached 1 billion yuan

In 2023.
Victor NML Series, 1.6kW,3.0KW off grid solar inverters Victor ECO Series,3.6kW,6.2kW hybrid solar inverters Victor MAX Series ,7.2KW/8.2KW/10.2KW hybrid solar inverters.CE for Victor NM ECO Strategic cooperation with Fronus 6 production lines 300 employees Estimated turnover 1 billion USD

2024

In 2024.
Shenzhen Sunray Power and Shenzhen Next Power Technology merged to form Guangdong Sunray

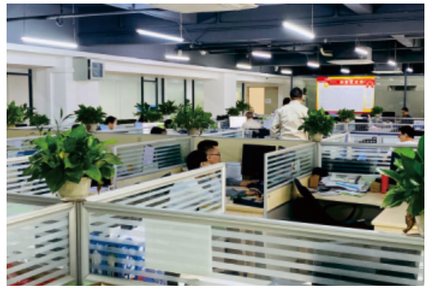
FACTORY >>>>>



CAREFULLY CRAFTED

ABUNDANT INVENTORY

EXQUISITE WORKMANSHIP



CORE ADVANTAGES >>>>>

MES System

Increase product traceability and monitor product quality throughout the entire process

Complete Processing Technology

Reduce outsourcing quality risks and meet the needs of customers in the photovoltaic industry

ONE STOP SERVICE

Provide one-stop services from complete machine production to overall design solutions for customers in the photovoltaic industry

High Quality Partners

Strategic cooperation with top equipment and material suppliers both domestically and internationally

Experienced R&D Team

More than 50 professional technical talents with over 20 years of experience in the photovoltaic industry have been dedicated to R&D and manufacturing for 20 years

Intelligent Manufacturing Enterprise

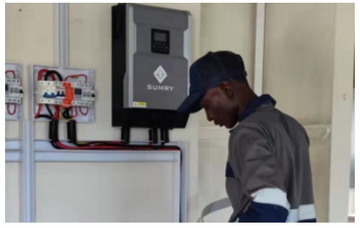
Production efficiency increased by 30%
Artificial reduction of 50%
Scrap reduced by 40%

GLOBAL CUSTOMERS























Quick View Guide

SOLAR INVERTER

ECO-LV SERIES

PAGE:13-14

HGX SERIES

PAGE:15-16

SOLAR CHARGER CONTROLLER

SR30~80A SERIES

PAGE:21-22

SR80~100A SERIES

PAGE:23-24

POWER INVERTER

RP SERIES

PAGE:17-18

CAR INVERTER

SAK-II SERIES

PAGE:19-20

PORTABLE POWER STATION

ESP-500W-2KWH/ESP-1000W-2KWH SERIES

PAGE:25-26

ON/OFF GRID SOLAR INVERTER

ECO-LV SERIES

KEY STRENGTHS

FEATURES

- Pure sine wave solar inverter(on/off Grid)
- WIF1&GPRS available forIoS and Android
- One-key restoration to factory Settings
- Dual communication ports for Battery communicationand Wifi communication
- High PVinput voltage range(60~500VDC)
- Smart battery charge design to optimize battery life
- Output power factor 1.0
- Inverter can run without battery
- Built-in Lithium battery automatic activation
- Built-in MPPT Solar charge
- Built-in anti-dust kit for harsh environment
- Dual output

MODEL	ECO-LV-3.6KW	ECO-LV-6.2KW
Phase	1-phase	
Maximum PVInput Power	4200W	6000w
Rated Output Power	3600W/3600VA(3000/3150/3300)	6200W/6200VA(5300/5500/5700)
MaximumSolarCharging Current	120A	
GRID-TIE OPERATION		
PVINPUT(DC)		
NominalDC Voltage/Maximum DC Voltage	360/500VDC	
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC	
MPPT Voltage Range	60~450VDC	
Maximum Input Current	1/18A	1/22A
GRID OUTPUT(AC)		
Nominal Output Voltage	120VAC(100/105/115Vsettable)	
Output Voltage Range	90-150VAC	
Nominal OutputCurrent	30A	51.7A
Power Factor	>0.99	
EFFICIENCY		
MaximumConversion Efficiency(DC/AC)	98%	
TWOLOADOUTPUTPOWER		
FullLoad	3600W	6200W
Maximum Main Load	3600W	6200W
MaximumSecondLoad(battery mode)	1200W	2067W
MaximumLoad Cut Off Voltage	26VDC	52VDC
Maximum Load Return Voltage	27VDC	54VDC
OFF-GRID OPERATION		
AC INPUT		
AC Start-upVoltage/Auto Restart Voltage	110VAC/120VAC	
Acceptable Input Voltage Range	90~150VAC± 2%	
FrequencyRange	50±1Hz/60± 1Hz	
MaximumAC input Current	40A	80A
PV INPUT(DC)		
Nominal DC Voltage/Maximum DC Voltage	360/500VDC	
MPPT Voltage Range	60~450VDC	
Maximum Input Current	1/18A	1/22A
BATTERY MODE OUTPUT(AC)		
Nominal Output Voltage	120VAC(100/105/115Vsettable)	
OutputWaveForm	Pure sine wave	
Efficiency(DC toAC)	94%	
BATTERY&CHARGER		
NominalDCVoltage	24VDC	48VDC
Maximum Solar Charging Current	120A	120A
MaximumACCharging Current	100A	100A
Maximum Sotar+AC Charging Current	120A	120A
HYBRID OPERATION		
PV INPUT(DC)		
NominalDC Voltage/Maximum DC Voltage	360/500VDC	
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC	
MPPT Voltage Range	60~450VDC	
Maximum Input Current	1/18A	1/22A
GRID OUTPUT(AC)		
Nominal Output Voltage	120VAC(100/105/115V settable)	
Output Voltage Range	90-150VAC	
Nominal Output Current	30A	51.6A
AC INPUT		
AC Start-up Voltage/AutoRestart Voltage	120-140VAC/100VAC	
Acceptable Input Voltage Range	90-150VAC	
MaximumAC Input Current	40A	80A
Maximum Charging Current	120A	
GENERAL		
PHYSICAL		
Dimension,H*W*D(mm)	420*350*110	
Cartoon Dimension,H*W*D(mm)	500*415*180	
Net Weight (kgs)	8.8	9.5
Gross Weight(kgs)	10	11.5
INTERACE		
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY	
OPERATINGENVIRONMENT		
Humidity	95%Relative5%to Humidity(Non~condensing)	
Operating Temperature	-10℃ ~50℃	
STANDARD		
ComplianceSafety	CE	

SOLAR INVERTER

HGX SERIES

KEY STRENGTHS

Silent Fan · 6.25Inch LCD Display · Touchable Button · Glass Screen · WIFI (optional) · Pure sine wave · SBU Mode · 110~220vac

FEATURES

- No battery function available
- Pure sine wave solar inverter
- Smart battery charger design for optimized battery performance
- Auto restart while PVis recovering
- Cold restart function
- WiFi monitoring function(optional)
- SBU mode :utility power,battery and Pv powercomplement each other
- Built-in 140AMPPT(MaxPV 5600W)solar charger
- Configurable AC/Battery input priority via LCD setting
- Over-load ,overtemperature and output short circuit protection
- Built-in lithium battery automatic activation
- Restore default Settings with one click

MODEL	HGX-4KW/24V	HGX-5.5KW/48V
Rated Power	4KW	5KW
PV Charge Current	140A	100A
Max.PV Array Open Circuit 350VDC 350VDC Voltage	350VDC	
PV Array MPPT Voltage Range	55-350VDC	
Input Voltage Waveform	Sinusoidal(utility or generator)	
Nominal Input Voltage	120VAC/110VAC/100VAC	
Low Loss Voltage	95VAC±5V(UPS)	
Low loss Return Voltage	100VAC±5V(UPS)	
High Loss Voltage	140VAC±5V	
High Loss Return Voltage	135VAC±5V	
Max AC Input Voltage	150VAC	
Nominal Input Frequency	50Hz/60Hz(It can be set in prpgram 09)	60Hz or 50Hz(Auto detection)
Low Loss Frequency	45±1Hz/55±1Hz	45±1Hz
Low Loss Return Frequency	47±1Hz/57±1Hz	47±1Hz
High Loss Frequency	55±1Hz/65±1Hz	65±1Hz
High Loss Return Frequency	53±1Hz/63±1Hz	63±1Hz
Output Short Circuit Protection	Line mode:Circuit Breaker	
Efficiency(Line Mode)	>95%(Rated R load,battery full charged)	
Transfer Time	10ms typical(UPS);	
Output Voltage Waveform	Pure Sine Wave	
Output Voltage Regulation	120VAC±5%	
Output Frequency	60Hz or 50Hz	
Peak Efficiency	94%	
Overload Protection	5s@≥150%load;10s@110%~150%load	
Surge Capacity	2*rated power for 5 seconds	
Charging Current(UPS)@Nominal Input Voltage	110A	80A
Bulk Charging Voltage(Flooded Battery)	29.2VDC	58.4VDC
Bulk Charging Voltage(AGM/Gel Battery)	28.2VDC	56.4VDC
Floating Charging Voltage	27VDC	54VDC
Floating Charging Voltage	27VDC	54VDC

EFFICIENCY		
Maximum Conversion Eficiency(DC/AC)	98%	
MPPTEDciency	99.90%	

PHYSICAL		
Dimension.D*W*H(mm)	400*250*89mm	
NetWeight(kgs)	7.5kg	8.5kg
Communication Interface	RS485/RS232(Standard)	

OPERATING ENVIRONMENT	
Humidity	5%to95%RelativeHumidity(Non-condensing)
Operating Temperature	O℃to55℃
Storage Temperature	-15℃to60℃

POWER INVERTER

RP SERIES

KEY STRENGTHS

FEATURES

- Built-in MPPT solar charge controller
- Selectable charging current
- Configurable AC/Battery input priority
- Compatible with generator power
- Overload and short circuit protection
- Support Lithium Battery
- Pure sine wave inverter
- Selectable input voltage range
- Via LCD setting
- Auto Restart while AC is recovering
- Color LCD display
- WIFI&GPRS available for IOS and android

SUMRY NEXT Next Power

MODEL	1012E	1024E	2012E	2024E	2048E	3012E	3024E	3048E	4024E	4048E	5024E	5048E	6024E	6048E
Rated Power	1000W		2000W			3000W			4000W		5000W		6000W	
INPUT														
Voltage	100/110/120VAC													
Selectable Voltage Range	Wide Range:77VAC-138VAC;155VAC-275VAC(for home appliances) Narrow Range:85VAC-138VAC;170VAC-275VAC(for personal computer)													
Frequency Range	40Hz-70Hz(50Hz/60Hz)													
OUTPUT														
AC Voltage Regulation (Batt.Mode)	100/110/120VAC													
Surge power	3000VA		6000VA			9000VA			12000VA		15000VA		18000VA	
Efficiency(Peak)	88%													
Transfer Time	<10ms													
Wave form	Pure Sine Wave													
BATTERY&AC CHARGER														
Battery Voltage	12V	24V	12V	24V	48V	12V	24V	48V	24V	48V	24V	48V	24V	48V
Charge Curent	35A	15A	65A	35A	15A	75A	50A	25A	70A	35A	75A	45A	75A	50A
Battery Voltage Range	For 12V:10VDC~16VDC ±0.3VDC/*2 for 24VDC/*4 for 48VDC													
Battery Low Voltage Alarm	For 12V:10.5VDC ±0.3VDC/*2 for 24VDC/*4 for 48VDC													
Battery Low Voltage Shutdown	For 12V:10VDC ±0.3VDC/*2 for 24VDC/*4 for 48VDC													
SOLAR CHARGER														
Charge voltage	12V:16V~150V; 24:28V~150V;48V;52V~150V													
Over-voltage protection	156V±3V													
Over-voltage retunrn voltage	150V±3V													
Max.PV input power	For 12V:1200W; For 24V:2400W; For 48V:4800W;													
Max.Charging current	80A±5A													
Battery ripple voltage	<1%													
Efficiency	⩾99.5%													

PHYSICAL		
Dimension.D*W*H(mm)	520*342*155mm	565*387*156mm

OPERATING ENVIRONMENT	
Humidity	5%to 95%Relative Humidity(Non-condensing)
Operating Temperature	-10℃ to 50℃
Storage Temperature	-15℃ to 60℃

CAR INVERTER

SAK-II SERIES

KEY STRENGTHS

FEATURES

- Pure sine wave inverter
- Protection funtion:input under voltage protection,input over voltage protection,overload protectionshort circuit protection,over temperature protection
- Full power, not falsely labeled, operating at full load at anambient temperature of 40°C
- Maximum efficiency 92%
- Application:home,office,vehice,yacht and other ocasions

SUMRY NEXT Next Power

MODEL	12V120V1200W	12V120V2000W	12V120V3000w	24V120V2000W	24V120V3000W
AC OUTPUT					
Rated Output Power	1200W	2000W	3000W	2000W	3000W
Rated Output Current	10A	16.6A	25A	16.6A	25A
Power Factor	1				
Waveform	Pure Sine Wave				
THD	3%				
MAX.PEAK POWER@2S	2400W	4000W	6000W	4000W	6000W
Rated Output Voltage	120V				
Frequency	60HZ				
DC INTPUT					
Rated Battery Input Volatage	12V			24V	
Rated Battery Input Volatage	100A	166.6A	250A	83.3A	125A
Battery Input Volatage Range	10.5V-16.0V			21V-32V	
INPUT PROTECTION					
Battery Low Voltage Alarm	11V			22V	
Battery Low Voltage Recovery	11.5V			23V	
Battery Low Voltage Shutdown	10.5V			21V	
Battery High Voltage Alarm	15.5V			31V	
Battery High Voltage Recovery	15V			30V	
Battery High Voltage Shutdown	16V			32V	

OUTPUT PROTECTION	
Output Short Circuit Protection	After the fault is eliminated,it can be rebooted
Overload Protection	105%≤Load<150%,10S shutdown
	150%≤Load,5S shutdown
Output Temperature Protection	Heat dissipation temperature>85℃

OPERATING ENVIRONMENT	
Operating Temperature	-25℃-40℃
Humidity	0-80%

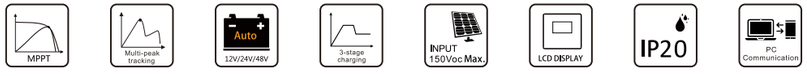
OTHER	
Fast charging protocol	DCP、FCP、QC2.0、QC3.0、AFC、PD2.0、PD3.0
USB-A	Max 18W:5V-2A;5V-3A;9V-2A;12V-1.5A
USB-C	Max 24W:5V-2A;5V-3A;9V-2A;12V-1.5A;12V-2A

OTHER	
Dimension(mm)	
Remote Contro Switch Interface	Standard Configuration

SOLAR CHARGER CONTROLLER

SR4830/4860/4880

KEY STRENGTHS



FEATURES

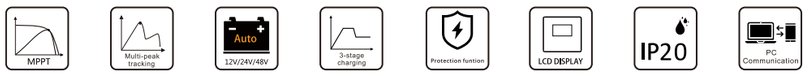
- MPPT tracking efficiency can reach 99.9%
- Temperature compensate for battery
- Natural cooling
- LED and LCD display operation status
- Support different types of battery (GEL,Sealed,Lithium)
- All kinds of protection

MODEL	SR4830	SR4860	SR4880
PV INPUT(PV)			
Maximum PV Voltage(VOC)	135V(-20℃)145V(25℃)		
System Voltage	12V/24V/48V auto;36V set		
MPPT Voltage Range	Battery voltage+3V-120V		
Suggest Input voC Voltage	22V/40V/60V/80V		
Number Of MPPT Trackers	1		
MAX.PV INPUT POWER			
12V	400W	800W	1100W
24V	800W	1600W	2150W
36V	1200W	2400W	3200W
48V	1600W	3200W	4300W
CHARGER OUTPUT(DC)			
Max.Output Current(revisable)	30A	60A	80A
Rated Load Current	20A		
Max.Capacitive Load Capacity	10000uF		
Ripper Voltage	<0.5%		
Applicable Battery Type (ex-factory default lead-acid battery)	Sealed lead-acid battery/Gel battery/Flooded battery/Tithium battery, other battery types can be customized		
EFFICIENCY			
Max.Efficiency	<98%		
MPPT Efficiency	>99%		
PROTECTION			
Protect Function	PV input over voltage protection;PV input over current protection Output over voltage protection;output over voltage protection PV /battery anti-reverse protection;over temperature protection Battery low/high voltage protection;load over current protection Load short circuit		
REGULAR DATA			
Unloaded Loss	<1.5W		
Operating Temperature	-20℃~+45℃		
Dimension.D*W*H(mm)	238*180*90mm	280*202*97mm	297*214*90mm
Net Weight(kgs)	2.3kg	3.6kg	
Elevation Height	0%to 95%(No condensat)		
Cooling Concept	Natural		
IP Rate	IP 20		
Communication Interface	RS232(Extensible interface)		

SOLAR CHARGER CONTROLLER

SR4880/48100

KEY STRENGTHS



FEATURES

- MPPT tracking efficiency can reach 99.9%
- Automatic identification battery system
- RS232/485 communication
- PV/BAT anti-reverse connection protection
- Supports the paralel use of multiple controllers
- Conversion efficiency⩽98%
- Supports multiple battery types
- Load overcurrent/short circuit/overtemperature protection
- TVS Lightning Protection
- Fan cooling

MODEL	SR4880	SR48100
PV INPUT(PV)		
Maximum PV Voltage(VOC)	155V	
System Voltage	12V/24V/48V auto;36V set	
MPPT Voltage Range	Battery voltage+3V-120V	
Suggest Input voC Voltage	PV array open circuit voltage 22V/40V/60V/80V for system 12V/24V/36V/48V	
Number Of MPPT Trackers	1	
MAX.PV INPUT POWER		
12V	1200W	1500W
24V	2400W	3000W
36V	3600W	4500W
48V	4800W	6000W
Max.Output Current(revisable)	80A	100A
Rated Load Current	25A	
Max.Capacitive Load Capacity	10000uF	
Applicable Battery Type (ex-factory default lead-acid battery)	SLD(sealed lead-acid battery)/GEL(gelled lead-acid battery)/ FLD(flooded lead-acid battery)/LFP(lithium iron phosphate battery),NCM(ternary lithium battery)/USE(customize)	
EFFICIENCY		
Max.Efficiency		
MPPT Efficiency	>99%	
PROTECTION		
Protect Function	Input highvoltage protection,output high/low voltage protection, PV/BAT anti-reverse connection protection,load over current protection,load short circuit protection,overtemperature protection,etc.	
REGULAR DATA		
Unloaded Loss	⩽2.3W	
Operating Temperature	-20℃~+50℃	
Dimension.D*W*H(mm)	292*207*87mm	
Net Weight(kgs)	3.0kg	3.1kg
Elevation Height	0%to 95%(No condensat)	
Cooling Concept	Fan	
IP Rate	IP 20	
Communication Interface	RS232(Extensible interface)	

PORTABLE POWER STATION

ESP-500W-2KWH/ESP-1000W-2KWH SERIES

KEY STRENGTHS

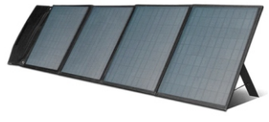
FEATURES

- Portable design: small size, light weight, easy to carry, suitable for outdoor activitiestravel, and mobile office.
- Long battery life: Equipped with a built-in 314Ah high-capacity battery, providinglong-term power supply, suitable for long-term outdoor activities or travel.
- Safe and reliable: It has multiple protection functions such as overcharging, overdischargingshort circuit,and overheating to ensure safe use.
- Supports simultaneous charging of photovoltaic input and discharge of load, and supportsAC pypass output.
- Environmentally friendly and clean energy
- The portable power supply supports continuous discharge at minus 20 degrees Celsiusand can be used normallyin cold regions.
- No noise: Compared with fuel generators, portable power sources have very low noisedurina operation and are suitable for use in aulet environments
- Support fast charging technology

MODEL	ESP-500W-2KWH	ESP-1000W-2KWH	
Rated output power	500W	1000w	1000W
Cell Type	Lithium Iron Phosphate LiFePo4		
Battery capacity	314Ah*2		
Rated Energy	2009.6Wh		
Rated input voltage	220/230Vac		120Vac
AC Input charging voltage	150-264Vac		90-140Vac
AC Input frequency range	45~65HZ		
AC Maximum Input Power	550W	1400W	
PV Maximum Input Power	450W		
PV Charging input voltage	12-50V		
PV Maximum input current	21A	20A	
Ambient Temperature	0-45℃		
PV Maximum input current	20A		
Working altitude	<3000m		
Humidity	95%		
protection grade	IP 20		
Product weight	15.5KG±0.5KG	16.0KG±0.5KG	
Product size	L*W*H=280*210*300mm		

PRODUCT OPTIONAL ACCESSORIES

AC input line



Solar panels

Solar charging cable

Car charging cable

Expansion socket