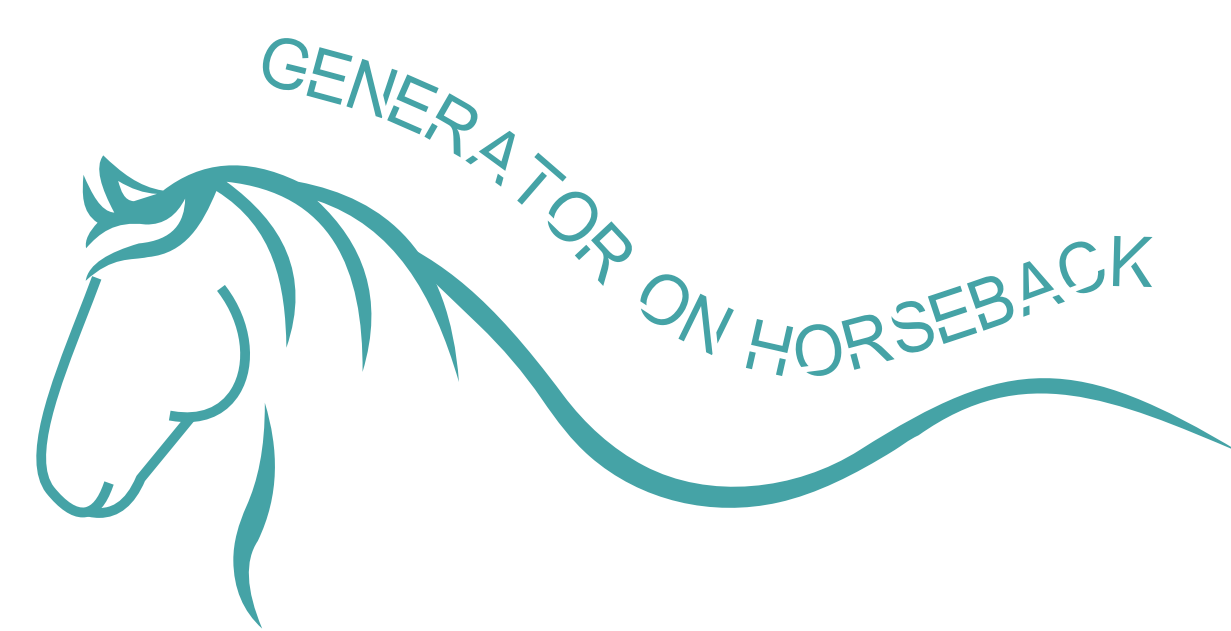




Miusian®

沐 天 科 技



Mutian Solar Energy Sciencetech Co., Ltd, a professional Chinese solar power products manufacturer and a leader in the field of solar power system and solar lighting solutions, which has undertaken over 50,000 successful projects in more than 46 countries all over the world. Since 2006, Mutian has been producing innovative and cost-effective solar power products, which created unsurpassed levels of high-efficiency and reliability on 22 technology patents. Mutian main products include solar power system and solar street light and related PV products like PV modules, PV racks system, PV controller and PV inverter, etc. All products are certified by ISO, CE, ROHS.

Mutian is also proud and honored of being China Ministry of Commerce authorized brand to provide solar street lights and aid emergency challenges for many countries, such as Nepal, Benin and Ethiopia ect. In 2014, a batch of Chinese aid medical equipments including Mutian solar lights has been delivered to Ghana to resist the Ebola virus. These lights saved lives every day by lighting up emergency medical clinics, food distribution stations and rescue efforts, allowing around the clock operations, which would have otherwise been curtailed at dusk.



300,000 tons

We have already reduced 30000000 tons carbon emissions for the earth.

Introducing our brand's supply chain partnerships! We work with industry-leading suppliers to ensure that the products delivered to you meet the highest standards of quality and sustainability. From raw materials to final delivery, we work closely with our partnerships to streamline the supply chain and minimize waste. This collaboration allows us to provide you with products of the highest quality and with the best after-sales guarantee.



Portable solar system	2
Solar panel	3-6
Solar power system	7-8
Inverter	9-12
Battery	13-18
Solar street lamp	19-20

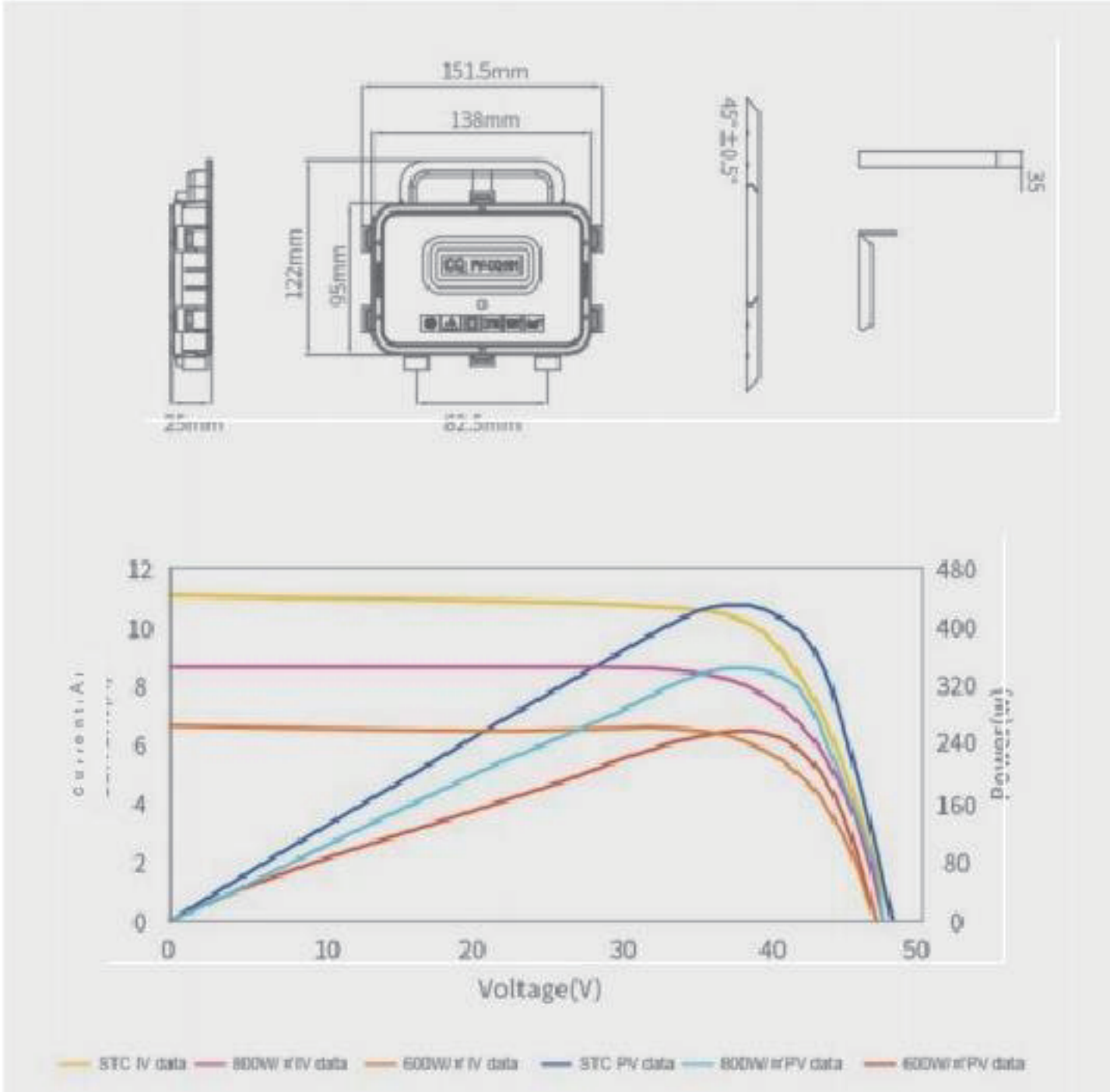
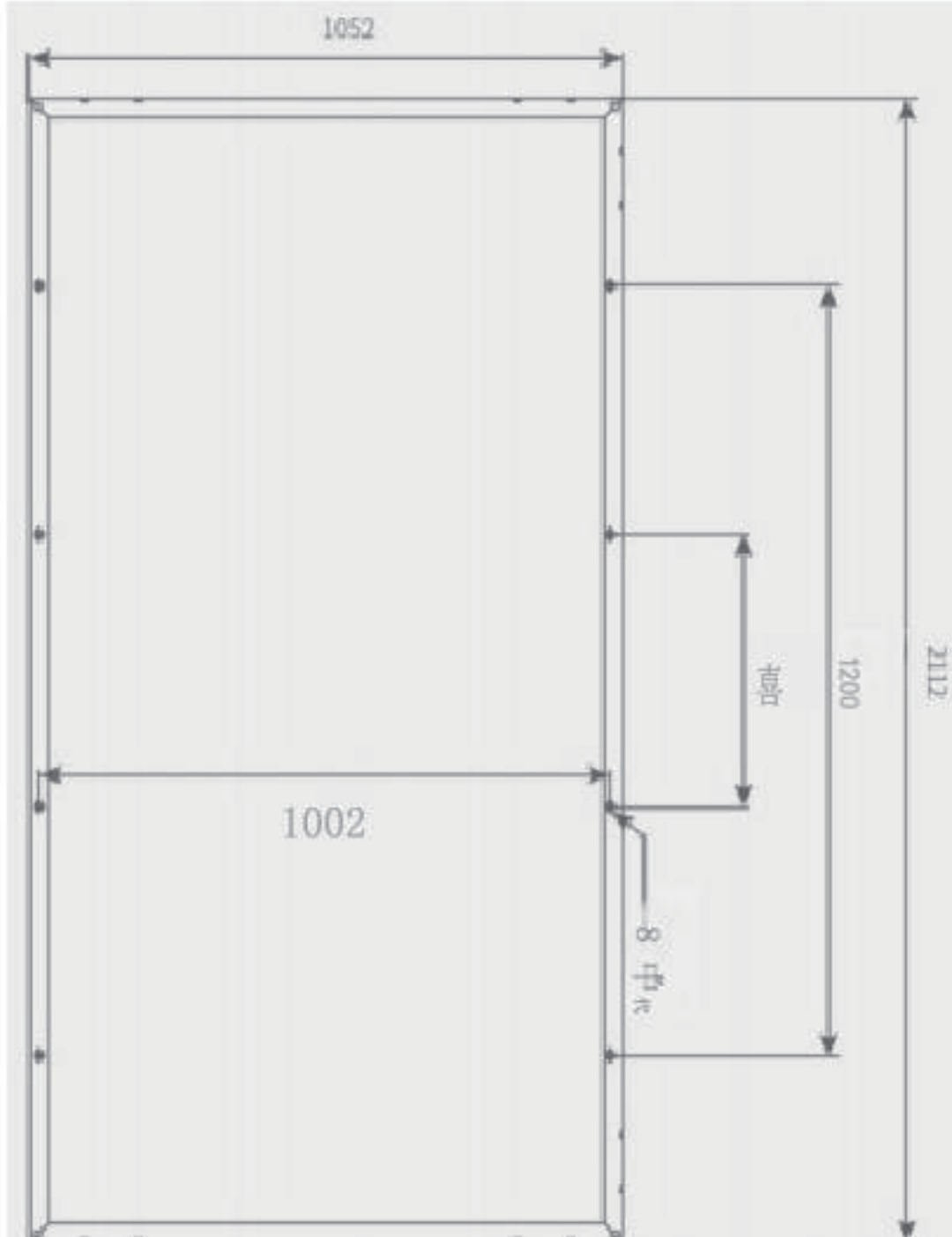
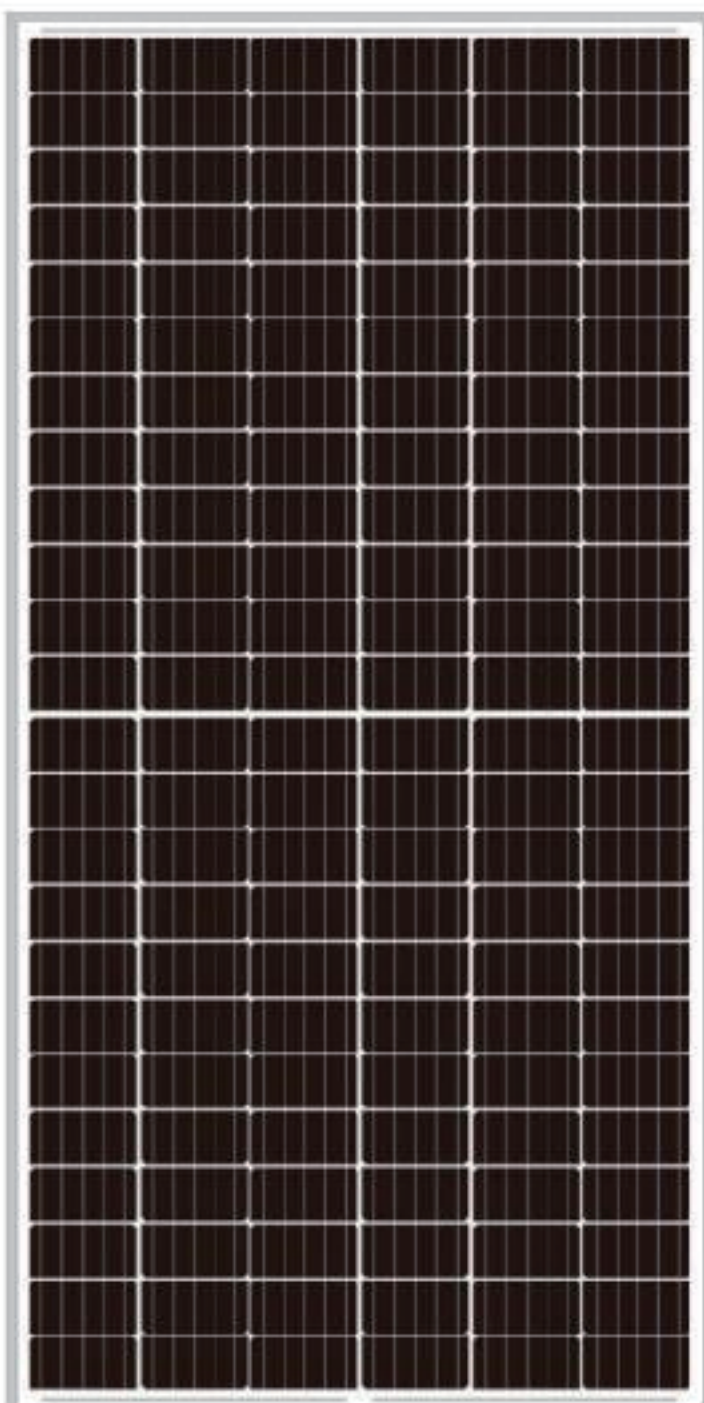
Product Show



Product Parameters



Mutian solar 450W

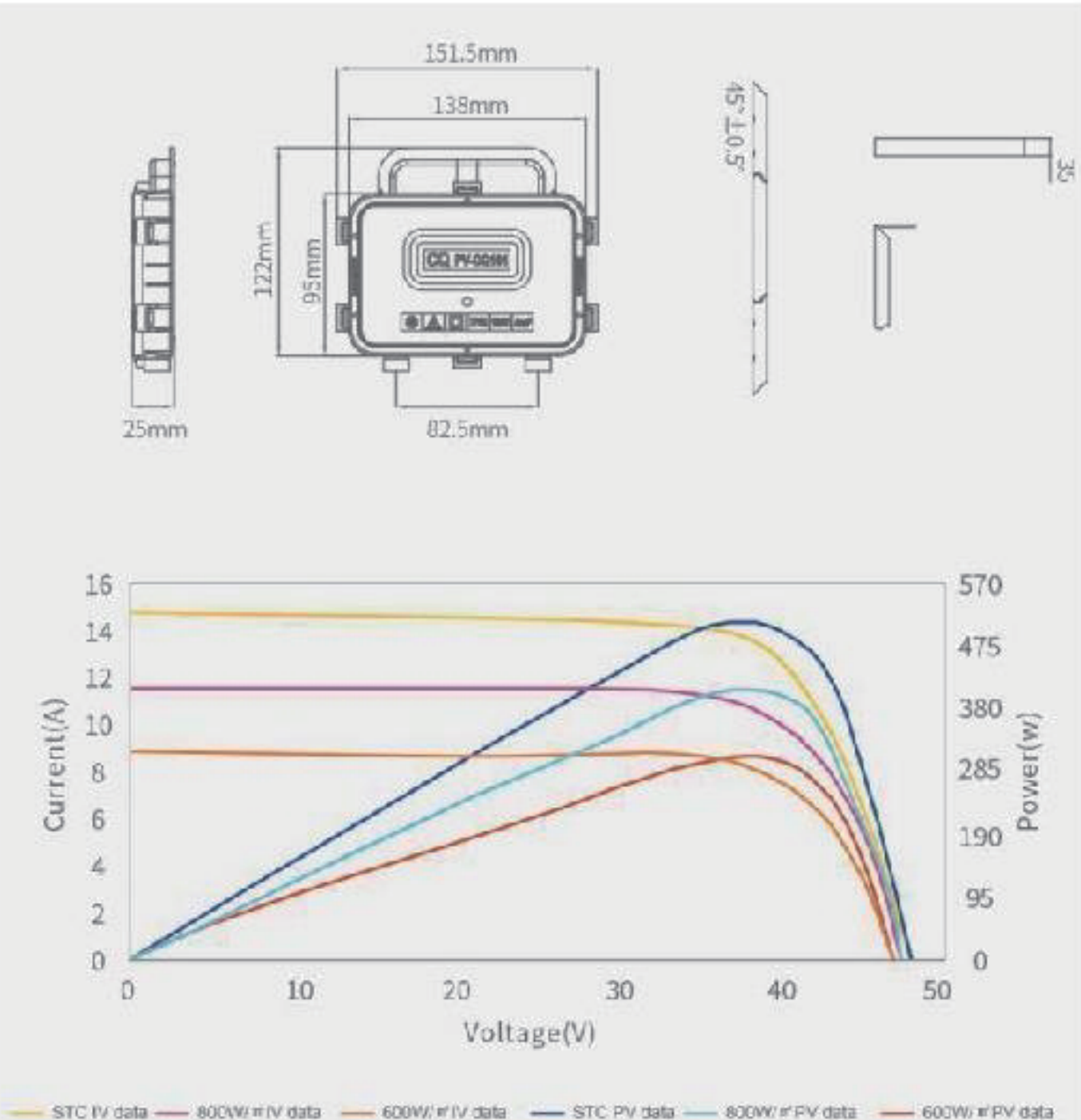
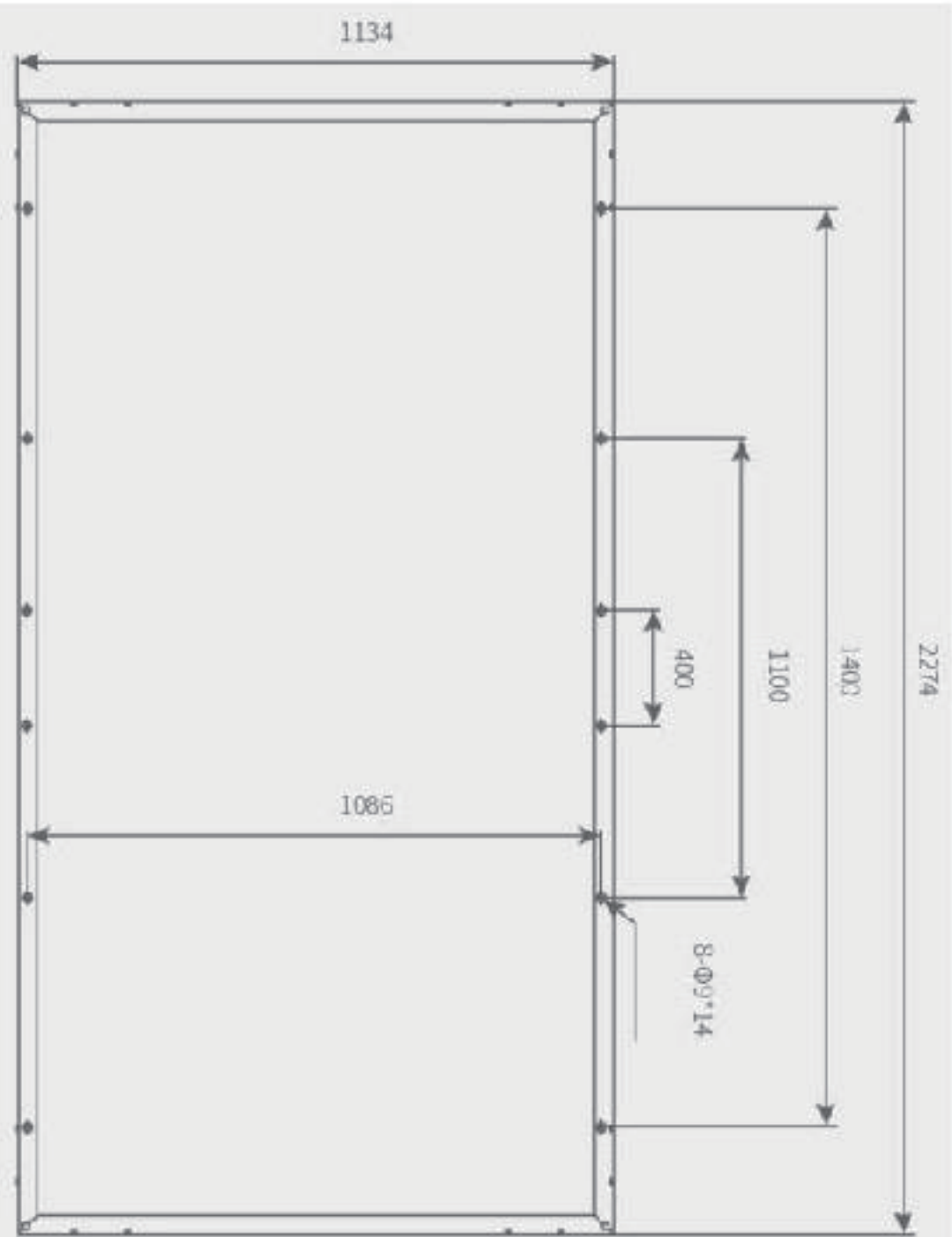


Electrical Characteristics

Maximum Power at STC(Pmax)	460W
Optimum Operating Voltage(Vmp)	42.13V
Optimum Operating Current(Imp)	10.92A
Open-Circuit Voltage(Voc)	50.1V
Short-Circuit Current(Isc)	11.45A
Component Efficiency(%)	20.7%
Temperature Coefficient of Voc	-(80±10)mV/°C
Temperature Coefficient of Isc	(0.065±0.015)%/°C
Temperature Coefficient of Pmax	(0.5±0.05)%/°C
NOTC(Air20°C,Sun0.8km/m,Wind1m/s)	47±2°C
Operating Temperature	-40°C 85°C
Max System Voltage	1000VDC
Power Tolerance	±5



Mutian solar 540W



Electrical Characteristics

Maximum Power at STC(Pmax)	540W
Optimum Operating Voltage(Vmp)	40.7V
Optimum Operating Current(Imp)	13.27A
Open-Circuit Voltage(Voc)	49.42V
Short-Circuit Current (Isc)	13.85A
Component Efficiency (%)	20.94%
Temperature Coefficient of Voc	-(80±10) mV/°C
Temperature Coefficient of Isc	(0.065±0.015) %/°C
Temperature Coefficient of Pmax	-(0.5±0.05) %/°C
NOTC (Air20°C,Sun0.8km/m²,Wind1m/s)	47±2°C
Operating Temperature	-40°C 85°C
Max System Voltage	1000V DC
Power Tolerance	±5



PRODUCT CHARACTERISTICS



Multiple Main Gate Technology

Better light utilization and current collection, effectively improve product power output and reliability.



Better Heat Spot Resistance

By optimizing circuit design and working current, better temperature coefficient and heat spot resistance are obtained.



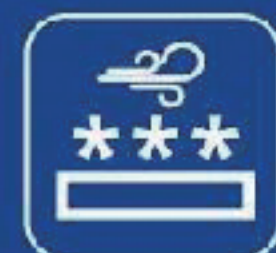
Anti-pid Guarantee

The attenuation rate caused by PID phenomenon is minimized through battery production technology optimization and material control.



Adaptability to Harsh Environments

Third party certification through high salt spray and high ammonia corrosion test, suitable for high temperature and humidity, coastal, desert, lake and other harsh environment.



Super Mechanical Load

It can carry 5400Pa snow load
It can bear 2400Pa wind pressure



Excellent Product Materials

Excellent product material and process quality assurance



Linear Power Warranty

Linear attenuation of 0.55% per year for 25 years

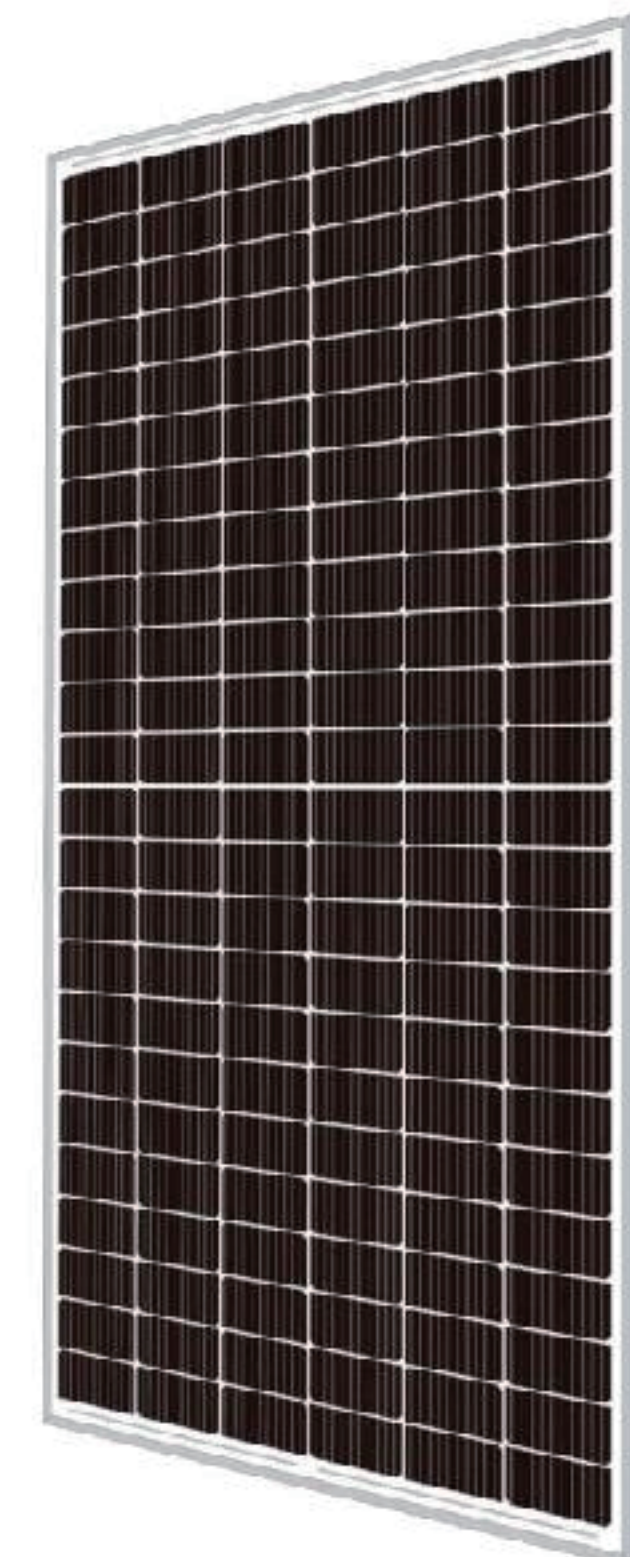


±3% Positive Tolerance

±3% Positive Tolerance

525-555W

SOLAR PANEL MONO-CRYSTALLINE



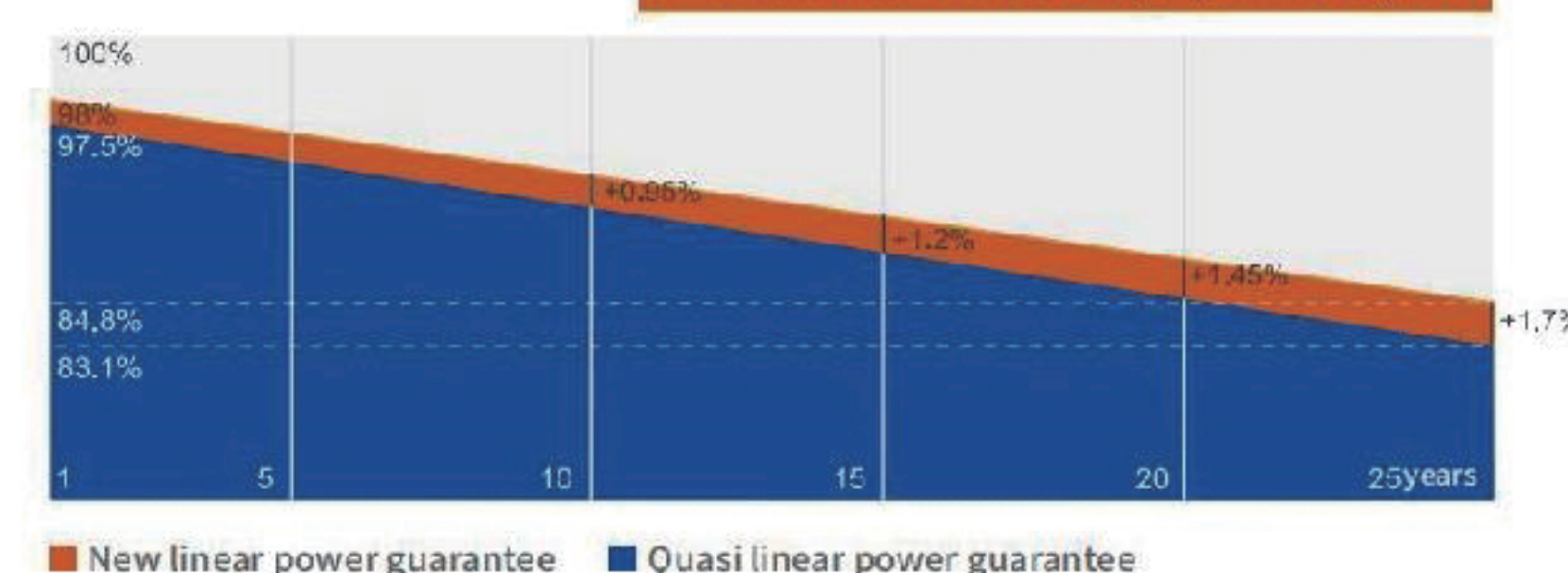
COMPREHENSIVE SYSTEM AND PRODUCT CERTIFICATION



IEC61215(2016)/IEC61730(2016)
ISO 9001:2015 / ISO Quality Management System
ISO 14001:2015 / Environmental Management System
ISO 45001:2018 / International Occupational Health and
Safety Management System Certification

INDUSTRY-LEADING QUALITY ASSURANCE

Linear attenuation of 0.55% per year for 25 years



Electrical Parameters Under STC

Solar Module Type	BCT-10M-144-525W	BCT-10M-144-530W	BCT-10M-144-535W	BCT-10M-144-540W	BCT-10M-144-545W	BCT-10M-144-550W	BCT-10M-144-555W
Maximum Power at STC (P _{max}) [W]	525	530	535	540	545	550	555
Open-Circuit Voltage (V _{oc}) [V]	49.12	49.32	49.52	49.69	49.90	50.10	50.20
Optimum Operating Voltage (V _{mp}) [V]	41.26	41.41	41.55	41.72	41.90	42.10	42.22
Short-Circuit Current (I _{sc}) [A]	13.63	13.70	13.78	13.86	13.90	13.95	14.03
Optimum Operating Current (I _{mp}) [A]	12.73	12.81	12.88	12.95	13.02	13.07	13.15
Component Efficiency[%]	20.3	20.5	20.7	20.9	21	21.5	21.5

Standard test conditions (STC) : irradiance 1000W/m², battery temperature 25°C, AM1.5, power tolerance: ±3%

Mechanical Property

Cell type	MONO-CRYSTALLINE
Number of Cells	144(12×6×2)
Component Size	2278±2mm×1134±2mm×35±1mm
Component Weight	27.2kg
Front Glass	3.2mm high permeability, anti-reflection coating tempered glass
Backboard	White
Component Frame	Anodized aluminium alloy
Junction Box	IP68,3 diodes
Connector	PV XT1609Nxyz
Cable Cross-Sectional Area	4mm ² (62930 IEC 131)
Cable Length	300mm
Wind Pressure/Snow Pressure	2400Pa/5400Pa
Packaging Information	31 pcs/pallet

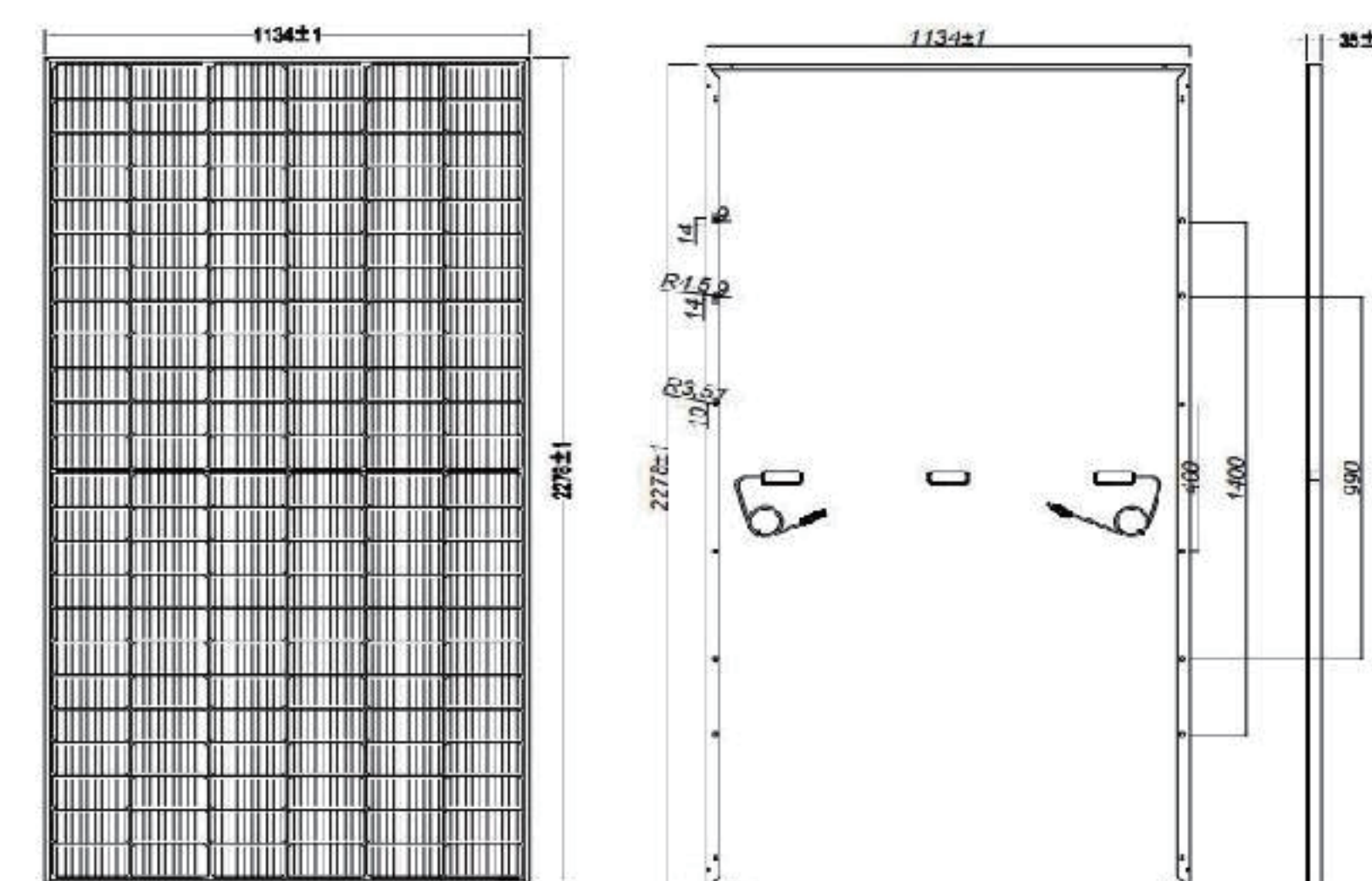
Electrical Property Parameter

Working Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	25A
Power Tolerance	±3%

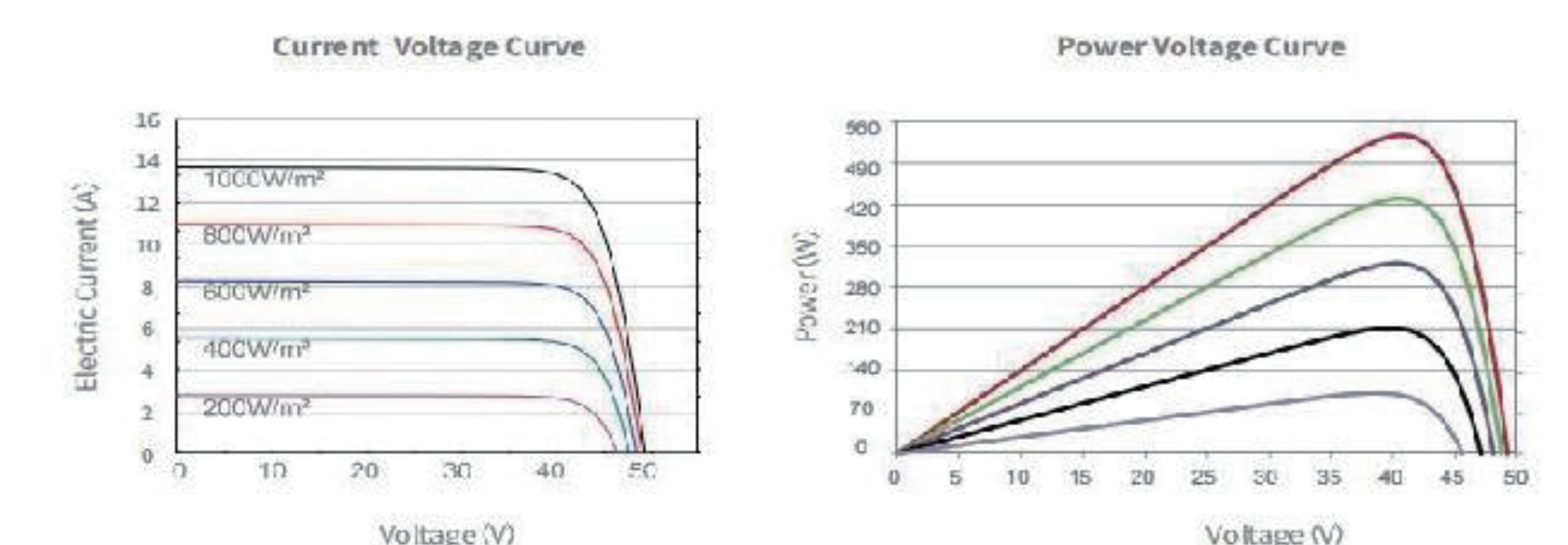
Temperature Characteristic

Temperature Coefficient (P _{max})	-0.34%/°C
Temperature Coefficient (V _{oc})	-0.27%/°C
Temperature Coefficient (T _{sc})	+0.045%/°C
Nominal Operating Temperature (NOTC)	45±2°C

Engineering Drawings



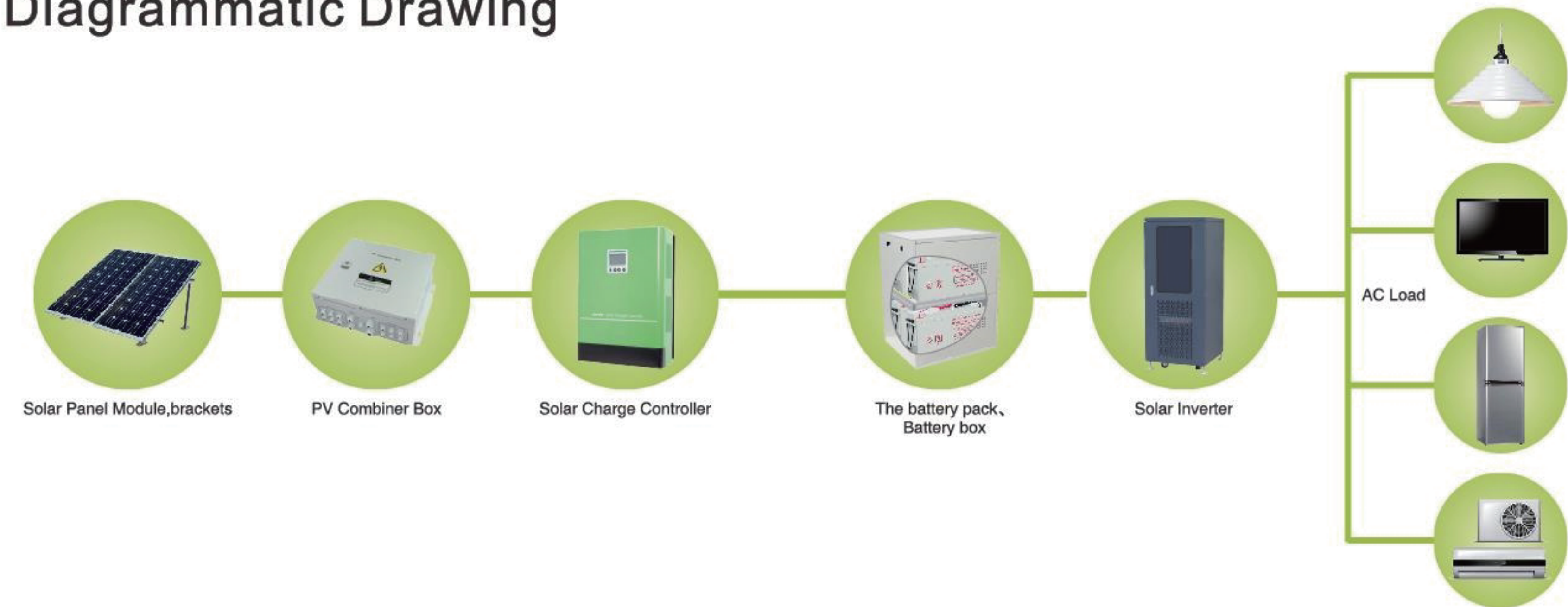
Characteristic Curve



* 12-year quality assurance; 25-year linear output power guarantee.



Solar Power System Diagrammatic Drawing



Hebei Mutian Solar Energy Sciencetech Development Co., Ltd. has always been dedicated to advanced technology in the solar power industry . With a decade of effort from our professional team, the company now boasts strong design & research abilities. The main products are solar lighting system, solar power station system and household solar system to provide reliable and clean energy for customers.

Our products are certified by ISO9001:2008, CE, TUV and ROHS criteria. Mutian Solar has achieved 16 national technology patents, and undertaken research projects from Ministry of Science and Technology, and National Development and Reform Commission, which has won us multiple national technology awards. Our company is also designated as the manufacturer of photovoltaic products for international projects by the Ministry of Commerce. The products are broadly sold both in China and abroad,and widely appreciated by customers with their outstanding quality.

OFF-GRID SOLAR POWER SYSTEM

Off-grid solar power storage system gives priority to utilize solar energy, and switches it to the grid in rainy days or lack of electricity.

Adopted PWM technology and IGBT module inverter, the system has the characteristics of stable performance and safe power supply.

The system has excellent reliability and perfect protection, which can be used as domestic or office standby energy



Mutian Solar System Configuration					
Model	MT1-20KW	MT20-40KW	MT40-60KW	MT60-80KW	MT80-100KW
Solar Panel 550w	2-36 pcs	36-72 pcs	72-110 pcs	110-146 pcs	146-180 pcs
Combiner Box	1-4 inputs	4-8 inputs	8-12 inputs	12-16 inputs	16-20 inputs
	1-4 output	4-8 output	8-12 output	12-16 output	16-20 output
Charge Controller	Matching to user installed capacity Multi-brand				
Battery	Customized (Gel/Lithium Battery Optional)				
Off-grid Inverter	Matching to user installed capacity Multi-brand				
Mounting Support	Customized				
Cable	Matching to user installed capacity				
Connector	Matching to user installed capacity				
Tools Bag	Wire Cable Cutter & Stripper, Crimping Pliers for PV Connectors (Opt)				

Kindly Reminder :
The Above System Configuration For Initial Designing
The System Configuration Are Subject to Changing Depends on Your Final Installation Conditions and Requirements.

For More Details, Please Send Your Inquiry To Mutian Team. Thank You!

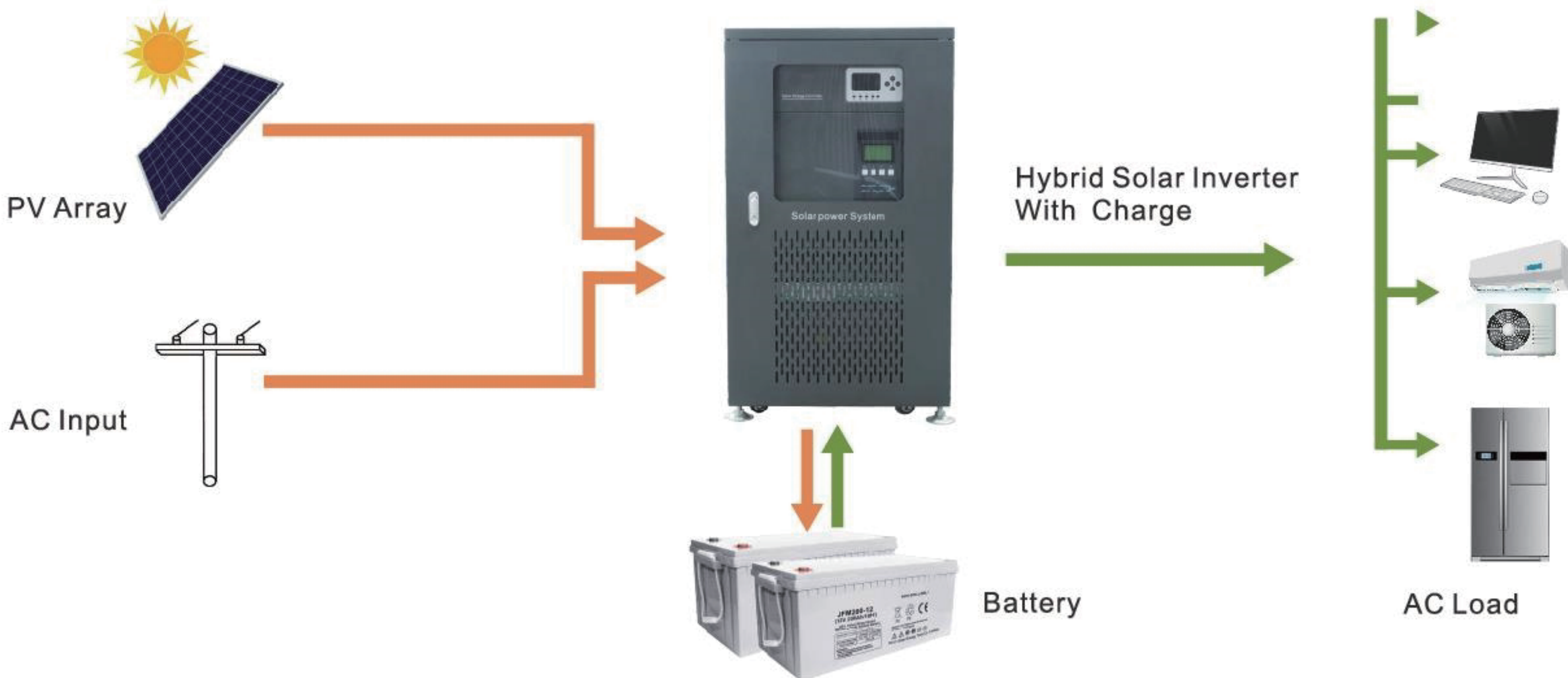
NKD SINGLE-PHASE INVERTER WITH BUILT-IN CHARGE CONTROLLER

MAIN FEATURES

- High reliability
Frequency tracking, noise filtering and low distortion in inverter output because of double-conversion design
- High adaptability
A wide range of input frequency, which realizes stable operation of fuel generators
- High optimal performance of the battery
An intelligent battery management technology, which guarantees a longer battery life and decreases the times of battery maintenance
An advanced constant-voltage charge technology, which activates the battery to the most extent, saves the charge time and guarantees a longer battery life
- Overall and reliable protection
A power-on test function, which can avoid the faults because of hazards of the inverter
- Efficient IGBT (Insulated Gate Bipolar Transistor) inversion technology Good high-speed switching feature, large-voltage and large-current operating characteristics, and voltage drive of IGBT (The fifth-generation IGBT has a lower saturation voltage drop and higher operation efficiency and reliability.)



APPLICATION DIAGRAM



TECHNICAL INDEXES

Model:NKD-	NKD-8KW	NKD-10KW	NKD-15KW	NKD-20KW	NKD-30KW
Rated power	8KW	10KW	15KW	20KW	30KW
Battery					
Rated voltage	96 VDC/192VDC/220VDC/384VDC				
Voltage of overdischarge protection	96VDC/172VDC/194VDC/345VDC				
Controller					
Rated current	100A				
Rated voltage	192VDC/220VDC/384VDC				
Number of charge accesses	4				
Maximum current of each access	25A				
Solar input voltage	<165 VDC/< 330VDC/ < 378VDC/ < 660VDC				
Voltage of overcharge protection	110VDC/222VDC/255VDC/445VDC (programmable)				
Control accuracy	± 0.1				
Display accuracy	± 0.1				
Efficiency	> 90%				
Inverter					
Input voltage	88-132VAC/176-264VAC				
Input frequency	45-65Hz				
Output voltage	110VAC/220VAC				
Output frequency	50/60Hz				
Output waveform	Pure sine wave, THD<4% (full load)				
Protection function	Output short circuit protection, overvoltage protection, undervoltage protection, low battery protection, etc.				
Manual power-on/off	Manual power-on/off preferred				
Automatic power on/off	Light-operated power-on + fixed-time power-off (programmable)				
Switching time	<10ms				
Other					
Ambient temperature for operation	0-40℃				
Relative humidity for operation/storage	20-90% (no condensation, maximum)				
External dimensions D×W×H (mm)	536*560*1015				
Packing dimensions: D×W×H (mm)	675*700*1180				

NKH High Frequency MPPT Hybrid Solar Inverter
(3.5KVA, 5.5KVA, 10KVA, 12KVA)

MAIN FEATURES

- Overload/ Over temperature/short circuit protection
- Configurable battery charging current based on applications via LCD setting
- Smart battery charger design for optimized battery performance



Product Specifications

Model: NKH-		NKH-3.5KVA	NKH-5.5KVA	NKH-10KVA	NKH-12KVA
Rated Power		3KW	5KW	8KW	10KW
Input	Voltage	208VAC/220VAC/230VAC/240VAC			
	Selectable Voltage Range	170-280VAC(For Personal Computers)			
	Frequency Range	50Hz/50Hz(Auto sensing)			
	AC Voltage Regulation (Batt. Mode)	208VAC/220VAC/230VAC/240VAC ±5%			
Output	Surge Power	6KW	10KW	16KW	20KW
	Efficiency (Peak)PV to INV	97%			
	Efficiency (Peak)Battery to INV	94%			
	Transfer Time	10 ms			
Battery & AC Charge	Overload Capacity	1min@102%-110% Load, 10s@110%-130% Load, 3s@130%-150% Load 02s@150% Load			
	Battery Voltage	24VDC	48VDC	48VDC	48VDC
	Floating Charge Voltage	27VDC	54VDC	54VDC	54VDC
	Overcharge Protection	32VDC	64VDC	64VDC	64VDC
PV Charge	Maximum Charge Current	60A	80A	160A	160A
	Maximum PV Array Power	1500W	5500W	11000W	11000W
	MPPT Range Operating Voltage	30-115VDC	120-430VDC	120-430VDC	120-430VDC
	Maximum PV Array Open Circuit Voltage	145VDC	450VDC	450VDC	450VDC
AC+PV Charge	Maximum Charge Current	60A	80A	160A	160A
	Maximum Efficiency	99%			
	Maximum Charge Current	120A	80A	160A	160A
	Dimension D*W*H(mm)	439*320*128	640*490*152	640*490*152	640*490*152
Physical	Net Weight(kg)	8	9.2	20	20
	Communication interface	USB/RS232/GPRS/WIFI			
	Humidity	5% to 95% Relative Humidity(Non-condensing)			
	Operating Temperature	0℃-55℃			
Opera Ting Environment	Storage Temperature	-15℃-60℃			

Note: Our company has the right of changing this user manual without any information



Power	1KW	2KW	3KW	5KW	6KW
Mains power input range	AC90V- 130V/AC165V-280V				
Inverter output voltage	110V/230v±3%				
Charging current	10A-25A				
Inverter output frequency	50/60hz ± 1%				
DC input	12V/24V				
Output wave pattern	Pure sine wave				
Distortion degree	≤3%				
PV input voltage	18V/30VDC- 180VDC				
PV input current	30A-60A				
Solar controller	MPPT				
Conversion time	Within 4ms automatic change				
Overload capacity	120%10min, 150%1min				
Peak factor	3:01:00				
Use altitude	elevation Height above 1000M can drop to use				
noise	≤40db				
Relative temperature	0-90% No condensation				
conversion efficiency	≥85%				
Product size(cm)	(L* W* H) 47×28×13				
Outsourcing size(cm)	(L* W* H) 53×35×20				
Net weight(KG)	18				
Gross weight(KG)	19				
Protection function	Short circuit protection, overload protection, over voltage protection, under voltage protection, over temperature protection, battery anti reverse connection protection (reverse connection protection is optional)				

BATTERY SERIES

ACTIVE POLYMER GEL BATTERY

PRODUCT OVERVIEW

Active polymer gel batteries are special supporting products for solar power systems, wind power generation systems, uninterruptible power supplies (UPS), inverters, EPS, street lamps, etc.

MAIN FEATURES

as charge. In normal floating charge, it emits neither electrolyte nor acid mist because it is a completely sealed battery. The battery pack will be safer if used with a patented battery tray.

Long service life:

The corrosion-resistant multi-element alloy grid including elements such as calcium, lead and tin, and the ABS corrosion-resistant shell, both accurately designed by computer, have extremely high sealed reaction efficiency, thus guaranteeing long service life of battery.

Low self discharge rate

A multiple-element alloy including special calcium and lead is used, and the battery separator, the electrolyte and the impurities generated in production procedures are strictly controlled. Thus, the battery not be charged within six months can be used normally at 20°C.

Great conductivity

With copper-core silvered terminals and special design, the product has extremely great electrical performance.

Great adaptability to environment

Great charge and discharge bearing capacity

The product has great charge and discharge bearing capacity: It can bear large-current charge (0.8C-1C) and large-current discharge (30C discharge current within eight seconds) without damage. It can realize ultra-deep discharge and will not get damaged after multiple times of complete discharge.

High safety and reliability

It is provided with a full automatic safety valve to avoid damage as a result of an abnormal internal pressure caused by the gas generated in process such

The product adapts to severe climates and can even be used at an ambient temperature of -25°C to 50°C.

Great directionality

The product has high sealed reaction efficiency, so it can be used normally and has no leakage when placed vertically or horizontally.

Environment friendliness

electronic instruments and the battery room needs no corrosion-proof actions against acids.

It is quiet and generates no pollutants, so it can be put in the same room with articles such as

A longer life and deep cycle

Made of a multi-element special lead-tin positive alloy, the product has greater corrosion resistance and a longer cycle life than conventional lead-calcium alloy. The product has a larger output power because of the optimized radial design of its grid.

The unique lead paste formula and manufacturing process benefit the formation of 4BS and guarantee a long floating charge life.

Reasonable use of additives makes PCL (premature capacity loss) solved better.



TECHNICAL INDEXES

Model	24AH	38AH	65AH	100AH	120AH	150AH	200AH
External dimensions (L×W×H)	165×126×126	198×166×170	350×166×179	329×172×214	406×173×208	483×170×239	522×239×218
Net weight (KG)	8.5KG	12.5KG	20.5KG	31KG	36KG	49KG	62KG
Package/material	Carton package						
Voltage							
Internal resistance of battery	After the battery is fully charged (25° C)					≤10mΩ	
Battery capacity at different temperatures					104%		
	25° C				100%		
					95%		
	-50° C				86%		
Rated capacity (Ah) at different hours					100%C10		
	30hr				110%C10		
Storage capacity of battery					95%		
	Three months (25° C)				90%		
					88%		
Maximum charge current	02.5C10 (A)						
Charge voltage limit	Voltage of equalizing charge				14.4V/12V-25mV/C		
	Voltage of floating charge				13.5V/12V-20mV/C		

SPECIFICATIONS

Model No.		RM-48100
Dimensions	Length	482mm
	Width	420mm
	Height	200mm
Weight		About 56kg

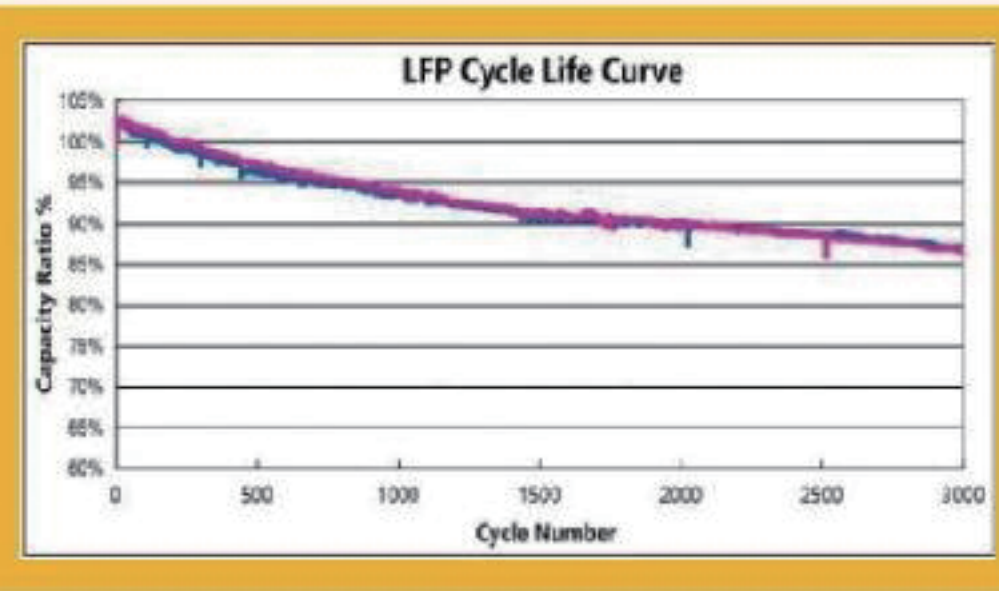
CHARACTERISTICS

Nominal Voltage	51.2V
Nominal Capacity	100Ah
Nominal Energy	5120Wh
Internal Impedance	≤ 100mΩ
Charge Voltage	58.4V
Discharge Cut-off Voltage	40V
Standard Charge Current	20A
Max. Charge Current	100A
Standard Discharge Current	20A
Max. Discharge Current	100A
Peak Discharge Current	200A<5S
Operating Temperature	Charge 0°C ~ +45°C
	Discharge -20°C ~ +55°C

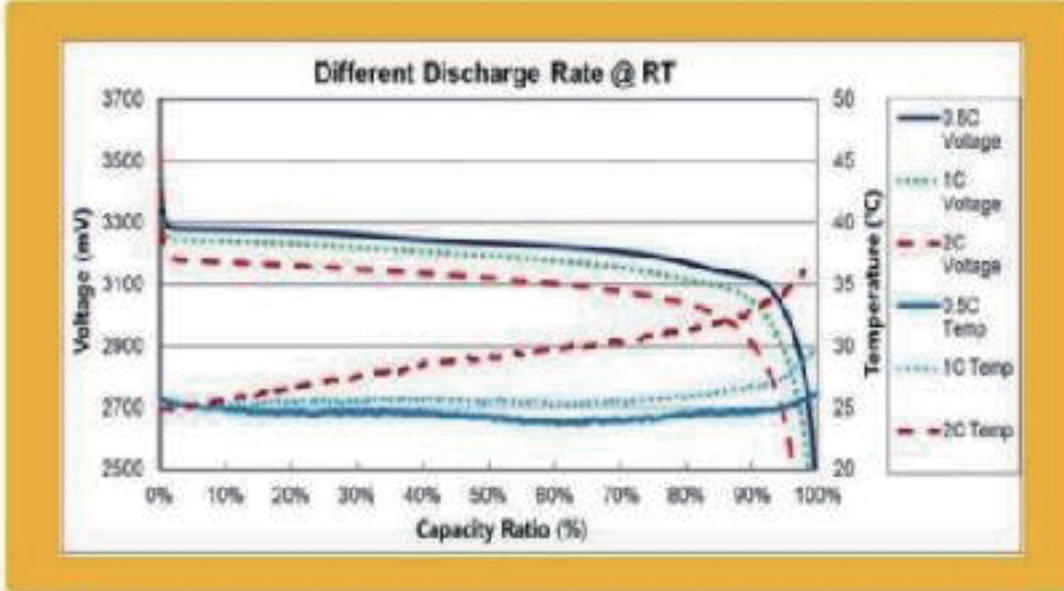
Note: Max. 8 parallel connection

Electrical performance of product

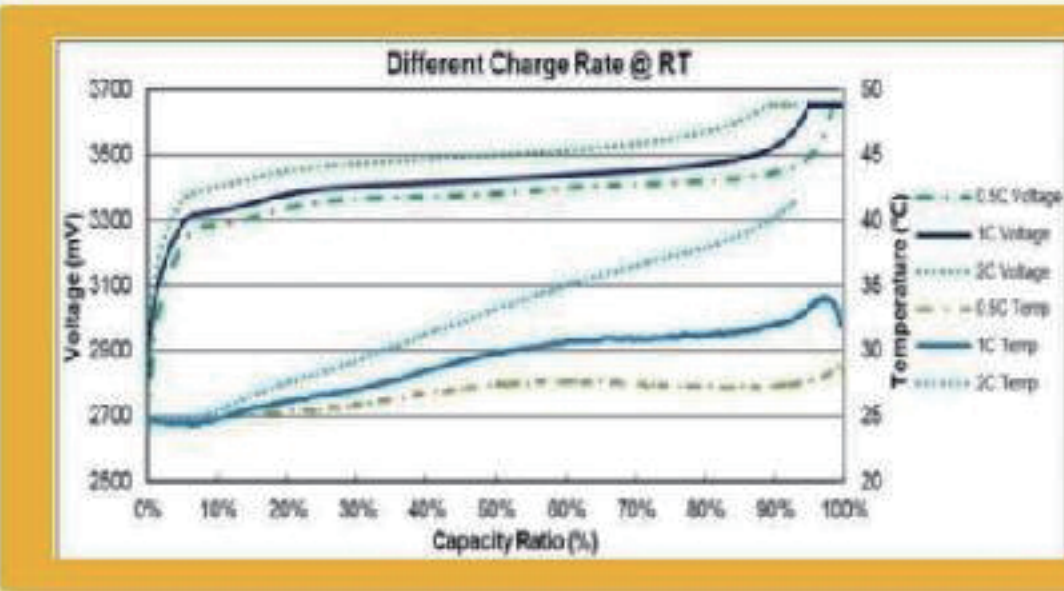
Curve of cycle life



Curve of different discharge rate

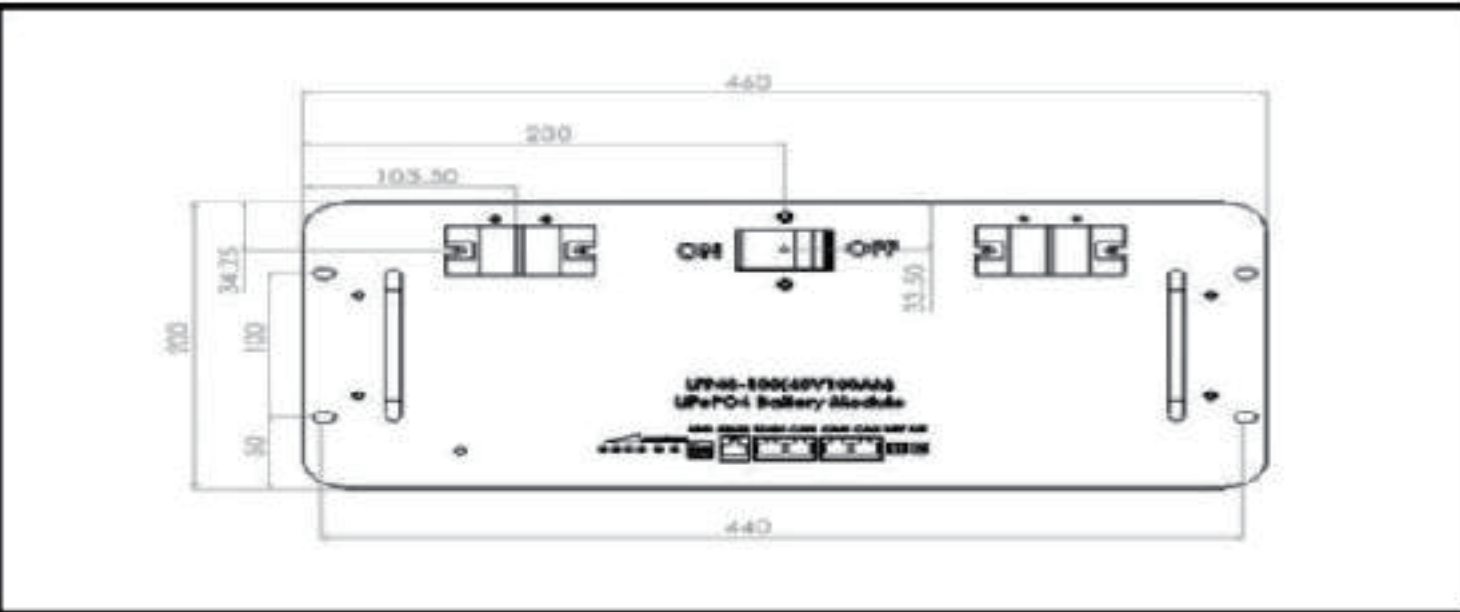
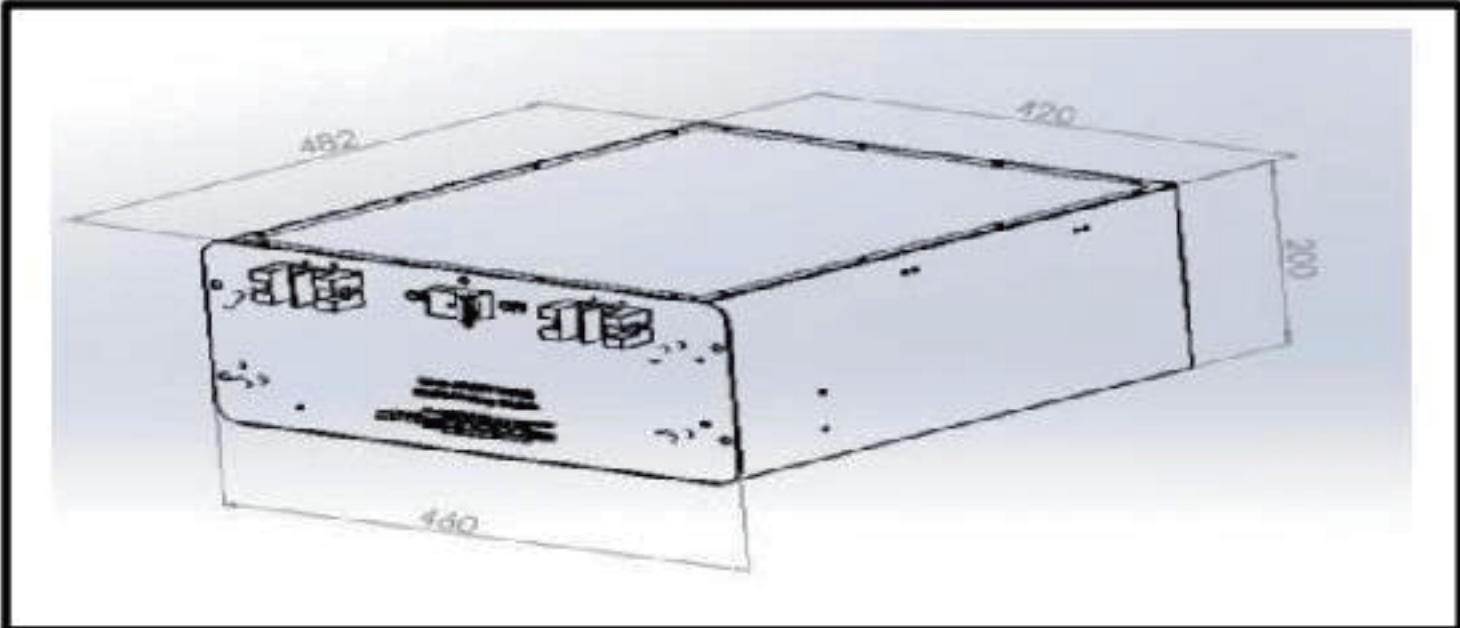


Curve of different charge rate



RM48100

DRAWINGS



SPECIFICATIONS

Model No. SB-48S

BATTERY				
Battery Type	LiFePO4			
Nominal Voltage	51.2			
Nominal Capacity	400Ah	600Ah	800Ah	1000Ah
Nominal Energy	20KWh	30KWh	40KWh	50KWh
Weight	190Kg	262Kg	334Kg	406Kg
Dimension L*D*H(mm)	630*660*800	800*660*600	980*660*600	1150*660*600
Cycle life	≥6000 times(80% DOD)			
Charge Voltage	58.4V			
Discharge Cut-off Voltage	40V			
Standard Charge Current	20A			
Max. Charge Current	100A			
Standard Discharge Current	20A			
Max. Discharge Current	100A			
INVERTER OUTPUT				
Rated Output Power	10000W			
Max. Peak Power	20,000W			
Rated Output Voltage	230V			
Rated AC Frequency	50Hz/60Hz			
PV INPUT				
Num. of MPPT Trackers	2			
Max. PV Array Power	5,500W+5500W			
Max. Input Current	22A+22A			
Max. Voltage of Open Circuit	500Vdc+500Vdc			
MPPT Voltage Range	125~425Vdc			
Max. MPPT Charging Current	200A			
Max. Mains/Generator Charging Current	120A			
Max. Hybrid Charging Current	200A			
EFFICIENCY				
MPPT Tracking Efficiency	99.90%			
Max. Battery Inverter Efficiency	92.00%			
GENERAL				
Protection Degree	IP20			
Operating Temperature Range	-10°C~55°C			



CHARACTERISTICS

1. Modular design and system integration for the energy storage products, while supporting the input of various power consumption ways such as PV/AC/DC.
2. It is easy to install, and could be connected in parallel with multiple modules, which is convenient for capacity expansion according to the requirements of users in different periods.
3. The built-in intelligent BMS management module performs real-time monitoring and management of a single battery cell in the product, effectively improving the safety and service life of the product.
4. The product is compatible with the communication connection of multiple brands of on-grid and off-grid inverters, providing users with a wider range of supporting options.
5. The design of our products strictly follows the principles of ergonomics, while ensuring good appearance and applicability, it can effectively avoid scratches to users.
6. Products with a capacity above 10KWh adopt a unique shunt circuit design, which not only further improves the safety, but also further increases the service life of the product.
7. All products have undergone strict reliability, aging, salt spray, vibration, and other testing procedures before leaving the factory to ensure zero defect shipments.
8. According to the user's environment in different regions, the product can be customized flexibly. Such as high temperature, low temperature, humidity, and other special environments.
9. For the four core components of the product: battery cells, BMS, inverter modules, and photovoltaic modules, we are all self-sufficient. In terms of cost of core components,
10. There are 6 domestic production bases, 2 overseas production bases, and 2 overseas service companies. There are first-level service channels in more than 60 overseas countries and regions. When necessary, door-to-door service can be achieved within 48 hours around the world.
11. All products are provided with product liability insurance underwritten by China Life Insurance Group, so that users can buy and use with peace of mind.

PV ENERGY STORAGE SYSTEM

10kWh Stackable Floor Type Power Can

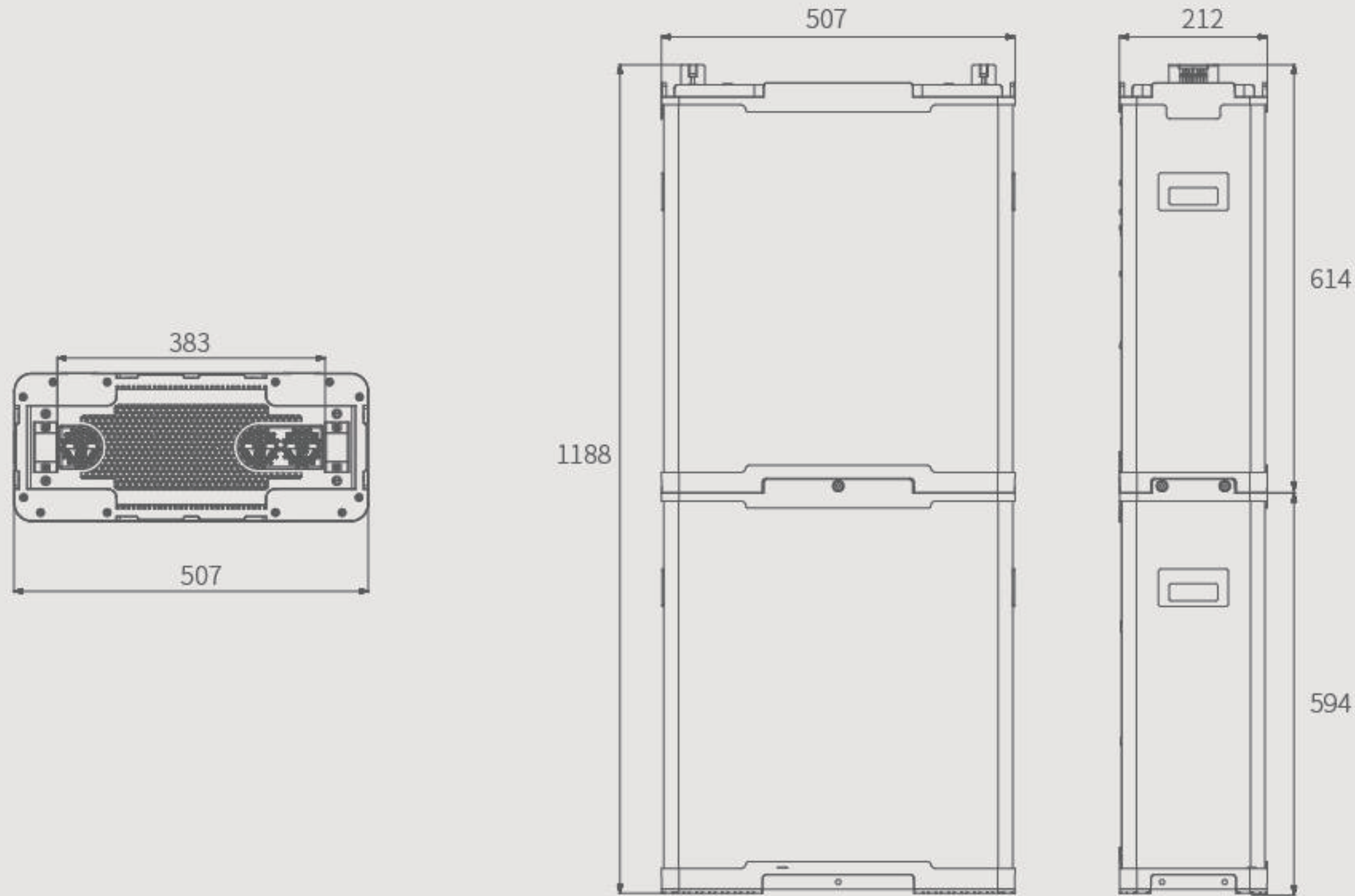
BCT-V-48-200

LiFePO4 Battery Pack



BCT

CONFIGURATION | TECHNICAL PARAMETER



Basic Specifications

Nominal Capacity	200Ah
Nominal Voltage	48V(51.2V)
Electricity(kWh)	10.24kWh

Input

Full charge Voltage	56V-60V
Maximum Charging Voltage	90V
Input Voltage Range	60V-100V
Continuously Use Input Current	100A
Maximum Solar Panel Input Current	100A
Rshoot Delay Protection	1000ms

Output

Continuously Use Output Current	100A
Discharge Cut-off Voltage	38V-48V
Over-Discharge Delay Protection	1000ms
Short Circuit Protection Delay	300us
Short Circuit Protection Recovery	Disconnect load
Instant Start Current	300A
Instant Start Current Time	10S

Battery

Cell type	LiFePO4 Battery/LFP
Storage temperature range	Short-Term -20°C-40°C(Within 1 month) Long-term 10°C-35°C(Within 1 year)
Operating temperature range	-15°C-60°C
Recommended temperature range	10°C-40°C
Storage humidity	≤75% RH
Atmospheric pressure	Below 5000 above sea level
Self-Discharge (25°)	<3%/Month
Depth of discharge	>80%
C-rate Discharge	<0.8C
Cycle life	>6000Time(<0.5C)

Other

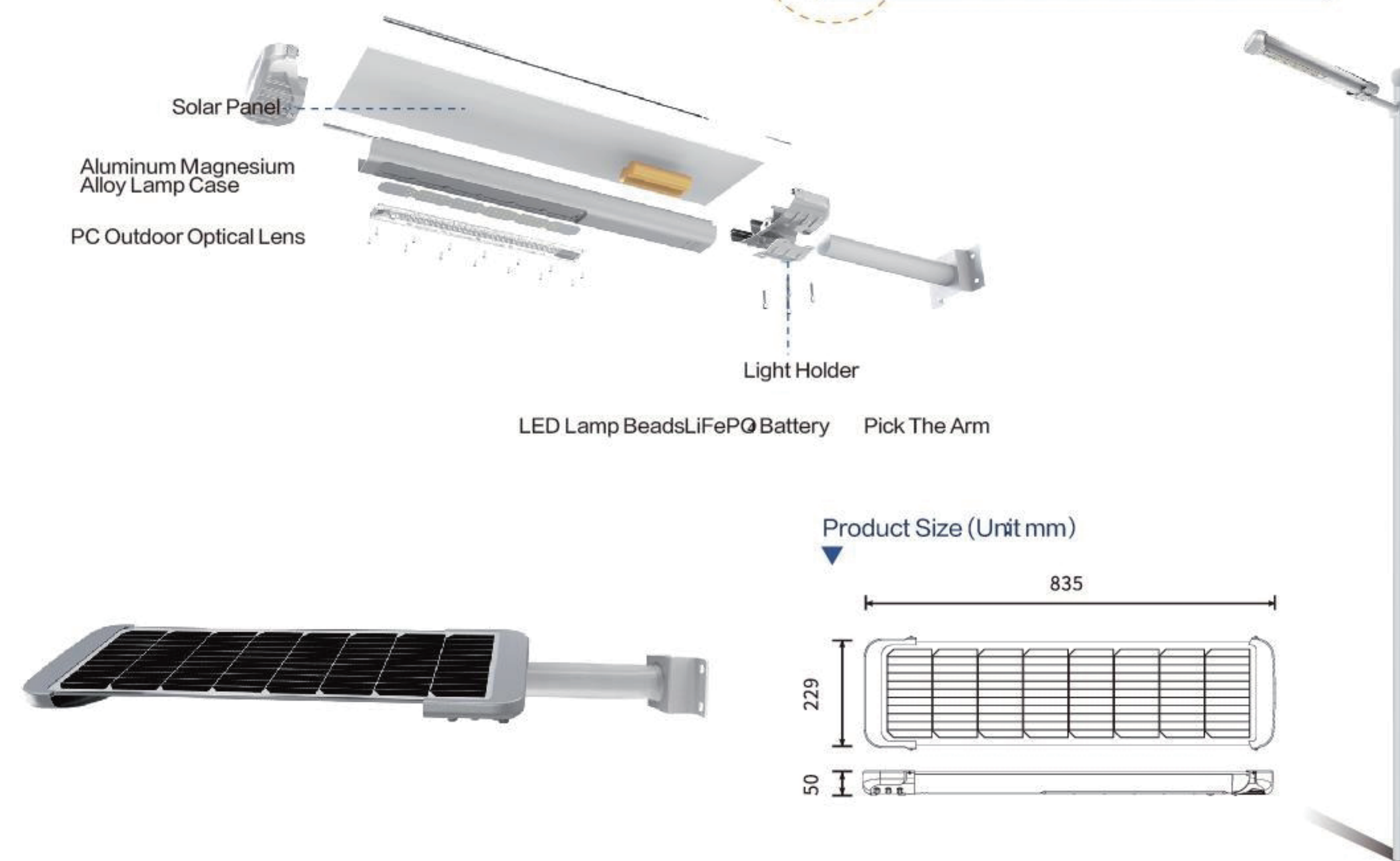
Certification standards	UN38.3/CE/MSDS/DGM
Warranty	5 years
Product Size	614±2×507±2×212±2mm
Packing Size	668±2×645±2×713±2mm

INTEGRATED SOLAR GARDEN LIGHT BCT-OLF-25W

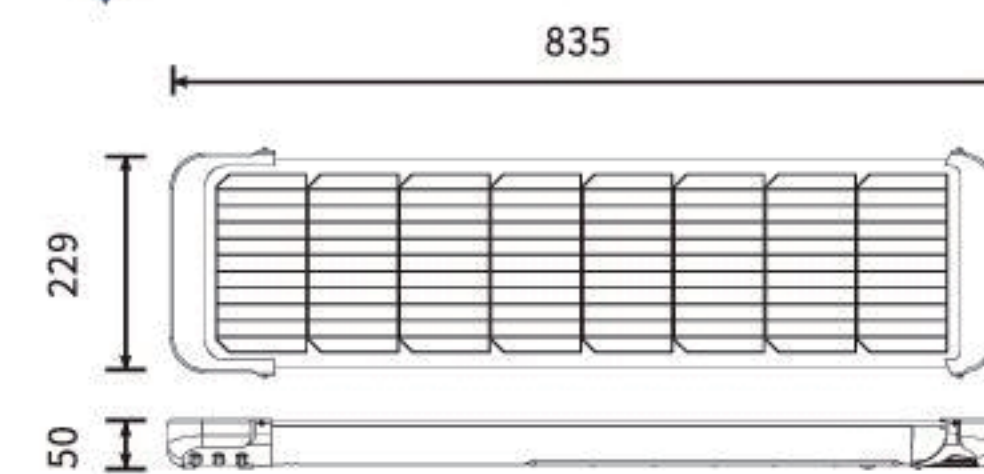
Product Parameters

Solar Panel	5V/25W(Mono)	Lighting Time
Battery	3.2V/20(±5)Ah LiFePO ₄ Battery	6+X/Intelligent power control, and can use remote control to adjust brightness and working mode.
Light Power	1260lm	
Installation Height	3-5m	
Installation Distance	15-20m	
Installation Way	Holding pole installation wall mounted installation	

Integrated design, one-click installation, sunshine power supply, no cable laying.



Product Size (Unit mm)



SOLAR GRAIN LIGHT BCT-SLG1.0

Product Parameters

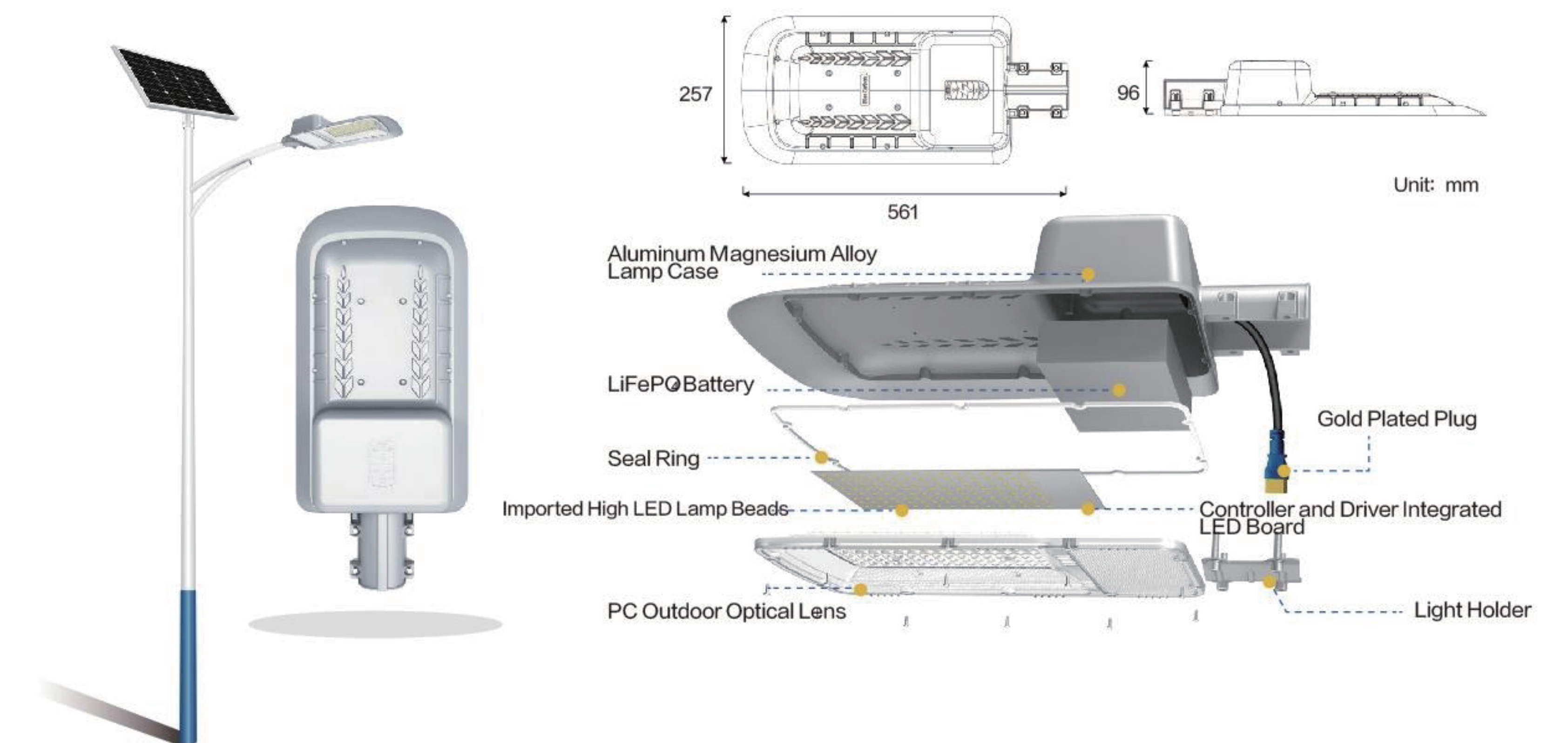
Solar Panel	5V/40W Mono	5V/50W Mono	5V/60W Mono	5V/80W Mono
Battery	3.2V/25(±5)Ah LiFePO ₄ Battery	3.2V/45(±5)Ah LiFePO ₄ Battery	3.2V/45(±5)Ah LiFePO ₄ Battery	3.2V/45(±5)Ah LiFePO ₄ Battery
Light Power	2100lm (Common 20W LED)	2500lm (Common 25W LED)	3000lm (Common 30W LED)	3000lm (Common 30W LED)
Installation Height	3.5-4.5m	4.5-5.5m	5.5-6m	6-7m
Installation Distance	15-20m	15-20m	20-25m	20-25m

Lighting Time:

6+X/Intelligent power control, and can use remote control to adjust brightness and working mode.

Installation Way:

Straight pole installation, holding pole installation, wall mounted installation; the angle of solar panel is adjustable.



Unit: mm

