Zecolex ALWAYS OIL



Zecollex

Solar Battery Storage Solution Provider

ZECONEX GROUP LIMITED

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ABOUT US

Zeconex is the leading manufacturer of electric vehicle charging systems, and battery energy storage system with solar inverters integrated in the global market, headquartered in Shenzhen, China.









Our wide range of new energy products are manufactured in-house, so we control all aspects of quality and functionality. We can tailor-make ev charger, battery energy storage system and solar inverter to suit your energy projects helping you realize your clean energy ideas.

Our product portfolio consists of Portable Charger, AC Charger, DC Charger, Power Module and Cloud Management System and Mobile APP, Battery Energy Storage System, Portable Power Station, Home Energy Storage System and Inverters, all independently developed by ourselves. We exported to more than 30 countries and regions since 2012.

Our team of ev charger, battery energy storage and inverters manufacturing experts is adept at understanding your energy needs and translating them into ev charger and battery energy storage that will fit right in and last for ages. We use only high-quality and other raw materials to ensure our ev charger, battery energy storage system and inverters are the best in the market.

Our top R&D team both in China and abroad, with rich experience in international protocol, which support us to offer OEM/ODM service for our clients all over the world. Welcome to be our partners.



















Welcome to be our partners!

Why Choose Us



10+ years Expert

More than 10+ years Leading Manufacture in Battery Storage and Solar Inverters Industry.



Quality Control

Zeconex only focus on the best quality Battery Storage and Solar Inverters products to make sure our business partners relieved and long time working with us.



Production Capacity

We own and share 3 factories more than 300 employees and over 20,000 square meters area,each factory focus on different products line.



Strong R&D

We keep on innovation and products developing all days to meet the edge-leading demand of the market. We are good at learning from your suggestion to make the most perfect product.



Lead Time

We have the ability to do large material stock for our standards products to ensure your fast lead time request.



OEM/ODM Customization

Our top R&D team both in China and abroad, with rich experience in international protoco, which support us to offer OEM/ODM service for our clients all over the world.

















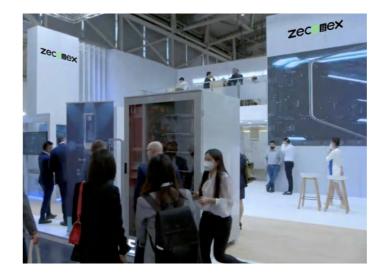
About the exhibition









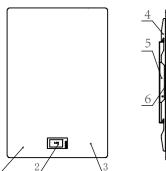


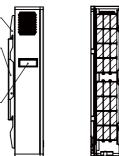


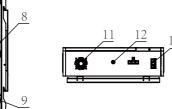


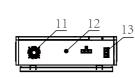
- LCD monitor the energy storage power data and operating status.
- High-quality LiFePO4 battery, safety, deep cycle and long lifespan.
- Air cooling to improve the reliability of the product.
- External main switch to reduce product power consumption and improve safety.
- Foot pads and wall brackets, which can meet the installation and use of different place.
- BMS bulit inside, over-voltage, over-load, over-temperature protection, atc.
- Compatible, can be connected to different types of loads within the voltage range.
- Support up to 15 modules in parallel.

Structural parts description

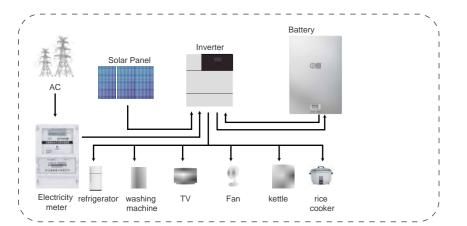








- 1. White plate
- 2. LCD display
- 3. Black plate
- 4. Battery bracket
- 5. Wall mounted bracket
- 6. Handle
- 7/8. Module holder
- 9. Stiffening plate
- 10. DC fan
- 11. OFF/ON
- 12. Communication
- 13. Output connector



51.2V Energy Storage LiFePO4 Battery-Powerwall-PW



Specifications

	Model	ZECO-15050BL-PW	ZECO-160100BL-PW
	Battery Energy	5.12kWh	10.24kWh
	Nominal Voltage	51.2V	51.2V
	Nominal Capacity	100Ah	200Ah
	Effciency	≥96%	≥96%
Basic	Inner Resistance	10mΩ	7mΩ
Characteristics	Cell Type	LiFePO ₄	LiFePO ₄
Charring	Charge Voltage	58.4V	58.4V
Charging Characteristics	Standard Charging Current	20A	40A
	Max.Continuous Charging Current	1000A	100A
	Standard Discharge Current	20A	40A
Discharge	Continuous Discharge Current	100A	100A
Characteristics	Peak Discharge Current	200A (3s)	200A (3s)
	Discharge Cut-off Voltage	42V	42V
	Charge Temperature Range	0~60°C	0~60°C
Environmental	Discharge Temperature Range	-10°C~65°C	-10°C~65°C
Requirements	Storage Temperature Range	-5~40°C	-5~40°C
	Storage Humidity	65±20% HR	65±20%HR
	Size(L×W×H)	440×170×560mm	440x206x670
	Package Size (L×W×H)	625×520×335mm	750×520×385mm
Mechanical	Shell Material	SPCC	SPCC
Characteristics	Net Weight	42kg	73kg
	Gross Weight	53kg	91kg
	Package Method	1pcs per carton	1pcs per carton
	Cycle Life	≥6000 times	≥6000 times
	Self Discharge	2% per month	2% per month
Others Characteristics	SOC Indication	LED Light & LCD Screen	LED Light & LCD Screen
Ondi dotor iotios	Communication Mode	RS485/CAN	RS485/CAN
	Matching Inverter	Growatt, Goodwe, Deye, Lu	xpower, ZECONEX etc



High cycle life

4000 cycles @80% DoD for effectively lower total of ownership cost.



Longer service life

Low maintenance batteries with stable chemistry.



Built in circuit protection

Battery Management System (BMS) is incorporated against abuse.



Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



Lightweight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



Support parallel operation



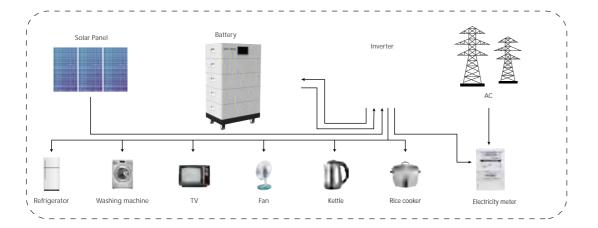
Features

- Capable of High-Powered Emergency-Backup and Off-Grid Functionality
- Highest Efficiency Thanks to a Real High-Voltage Series Connection
- The Patented Modular Plug Design Requires no Internal Wiring and Allows for Maximum Flexibility and Ease of Use
- Grand A Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle, and Power
- Compatible With Leading High Voltage Battery Inverters
- Highest Safety Standards





Structural parts description



48V~384V Energy Storage LiFePO4 Battery-HV



Specifications





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Function

Support parallel operation



- Vertical industry integration ensures more than 5000 cycles with 80% DoD.
- Integrated inverter design, easy to use and quick to install. Small size, minimizing installation time and cost Compact and stylish design suitable for your sweet home environment.
- The inverter has a variety of working modes. Whether it is used for main power supply in the area without electricity or backup power supply in the area with unstable power to deal with sudden power failure, the system can respond flexibly.
- A variety of charging methods, which can be charged with photovoltaic or commercial power, or both at the same time
- You can use 4 batteries in parallel at the same time, and can provide a maximum of 20kwh for your use.







High cycle life

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Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +45°C.



Liahtweia

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



Function

Support parallel operation

51.2V Energy Storage LiFePO4 Battery-S2



	ZECO-AIO48V05-S2	ZECO-AIO48V05-S2	ZECO-AIO48V05-S2	ZECO-AIO48V05-S2			
BATTERY TECHNICAL SPECIFICATION	2200-Ai040V03-32	2200 AIO40V03-32	2200-71040003-32				
Battery model	ZECO-AIO48V05-S2						
Number of batteries							
Battery Energy	1	2	1	2			
	5.12kWh	10.24kWh	15.36kWh	20.48kWh			
Battery Capacity	100AH	200AH	300AH	400AH			
Weight	80kg	130kg	190kg	230kg			
Dimension Lx Dx H	1190x600x184mm	1800x600x184mm	1800x600x184mm 690x600x184mm	1800x600x184mm 1300x600x184mm			
Battery Type		LiFe	PO4				
Battery Rated Voltage		51	.2V				
Battery Working Voltage Range		22.4 ~	28.8V				
Maximum Charging Current		15	50A				
Maximum Discharging Current		15	60A				
DOD		80	0%				
Designed Life-span		50	000				
PV CHARGE							
olar Charge Type		MI	PPT				
Maximum Output Power			DOW				
V Charging Current Range			80A				
V Operating Voltage Range			~500V				
MPPT Voltage Range			~450V				
AC CHARGE		120	4304				
aximum Charge Power	22/	10W	112	0\\/			
C Charging Current Range		80A	0~40A				
ated Input Voltage		30Vac	110/120Vac				
nput Voltage Range		280Vac	90~1				
IC OUTPUT	70 2	.00 vac	70 1	40 Vuc			
ated Output Power		250	00W				
laximum Output Current	20	DA SSC	40A				
requency)Hz	60Hz				
Overload Current		5A	45				
ATTERY INVERTER OUTPUT	3.		40				
			2014				
Assimum Deak Power			00W				
Maximum Peak Power			00VA				
Power Factor Rated Output Voltage (Vac)	220)Vac	1 120	Vac			
requency		ovac OHz	60				
Auto Switch Period	50		5ms	IL.			
HD			3%				
ENERAL DATA							
communication			CAN/WIFI				
torage time / temperature			ns @35°C;1 months @45°C;				
harging temperature range	0~45℃						
lischarging temperature range	-10~45°C						
Operation Humidity			~ 85%				
Nominal Operation Altitude			000m				
cooling Mode			r Cooling				
Noise			IB(A)				
ngress Protection Rating							
decommended Operation Environment			loor				
nstallation Method			tical	2.2			
Certification	UN38.3,MSDS,EN55032,EN55024,EN61000-3-2,EN61000-3-3						



Features

- \bullet Vertical industry integration ensures more than 5000 cycles with 80% DoD.
- Integrated inverter design, easy to use and quick to install. Small size, minimizing installation time and cost Compact and stylish design suitable for your sweet home environment.
- The inverter has a variety of working modes. Whether it is used for main power supply in the area without electricity or backup power supply in the area with unstable power to deal with sudden power failure, the system can respond flexibly.
- A variety of charging methods, which can be charged with photovoltaic or commercial power, or both at the same time
- You can use 4 batteries in parallel at the same time, and can provide a maximum of 20kwh for your use.







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Longer service life

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Quickly recharge

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Extreme heat tolerance

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Liahtw

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Function

Support parallel operation

51.2V Energy Storage LiFePO4 Battery-S1

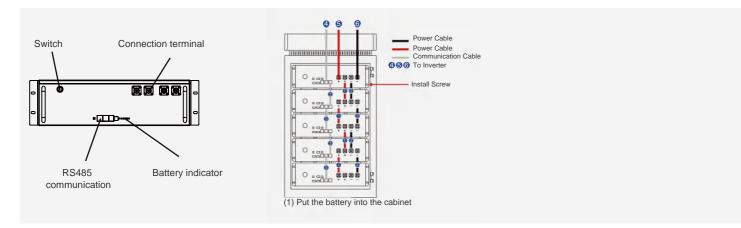


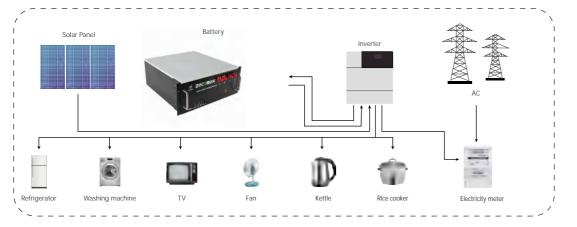
	ZECO-AIO48V05-S1	ZECO-AIO48V10-S1	ZECO-AIO48V15-S1	ZECO-AIO48V20-S1					
BATTERY									
Battery Module	1	2	3	4					
Battery Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh					
Battery Capacity	100AH	200AH	300AH	400AH					
Weight	80kg	133kg	186kg	239kg					
Dimension L× D× H	710×450×400	710×450×600	710×450×800	710×450×1000					
Battery Type		LiFe	PO4						
Battery Rated Voltage		51.	2V						
Battery Working Voltage Range		44.8 ~	57.6V						
Maximum Charging Current		10	0A						
Maximum Discharging Current		10	0A						
DOD		80	0%						
Parallel Quantity		4	4						
Designed Life-span		60	00						
PV CHARGE									
Solar Charge Type		MF	PDT						
Maximum Output Power			W						
PV Charging Current Range			80A						
PV Operating Voltage Range		120~							
MPPT Voltage Range		120~							
		120~	4500	_					
AC CHARGE									
Maximum Charge Power			50W						
AC Charging Current Range			60A						
Rated Input Voltage			30Vac						
Input Voltage Range	90 ~ 280Vac								
AC OUTPUT									
Rated Output Power	5KW								
Maximum Output Current	30A								
Frequency	50Hz								
Overload Current		35	5A						
BATTERY INVERTER OUTPUT									
Rated Output Power		5K	W						
Maximum Peak Power		10k	CVA						
Power Factor		•	1						
Rated Output Voltage (Vac)		230	Vac						
Frequency		50	Hz						
Auto Switch Period		< 1!	5ms						
THD		<:	3%						
GENERAL DATA									
Communication		RS485/C	AN/WIFI						
Storage time / temperature		6 months @25°C;3 month	s @35°C;1 months @45°C;						
Charging temperature range		0~4	45°C						
Discharging temperature range		-10~	45°C						
Operation Humidity		5% ~	85%						
Nominal Operation Altitude		< 20	00m						
Cooling Mode	Force-Air Cooling								
Noise		60d	B(A)						
Ingress Protection Rating		IP	20						
Recommended Operation Environment	Indoor								
Installation Method	Horizontal								
Certification	UN	38.3,MSDS,EN55032,EN550	024,EN61000-3-2,EN61000-	3-3					



- high energy demand of customers.
 Intelligent lithium battery management system: With RS485 communication, you can monitor the battery status at any time and set protection parameters such as charge and discharge according to customers'requirements.
- Warning function: Warning functions such as overcharge, overdischarge, overcurrent, high temperature and low temperature can greatly reduce the potential safety hazard.
- Balancing: Automatic collection of battery single series voltage, pressure difference up to 30MV (can be set), automatic start equalization function.

Structural parts description





LiFePO4 Energy Storage Battery-Rack-BR



Specifications

	Model	ZECO-15050BL-BR	ZECO-150100BL-BR	ZECO-160100BL-BR
	Battery Energy	2.4kWh	4.8kWh	5.12kWh
	Nominal Voltage	48V	48V	51.2V
	Nominal Capacity	50Ah	100Ah	100Ah
	Effciency	≥96%	≥96%	≥96%
Basic	Inner Resistance	10mΩ	7mΩ	7mΩ
Characteristics	Cell Type	LiFePO ₄	LiFePO ₄	LiFePO ₄
01	Charge Voltage	54.71V	54.71V	58.2V
Charging Characteristics	Standard Charging Current	10A	20A	20A
Onaraoteristios	Max.Continuous Charging Current	50A	100A	100A
	Standard Discharge Current	25A	50A	50A
Discharge	Continuous Discharge Current	50A	100A	100A
Characteristics	Peak Discharge Current	100A (3s)	200A (3s)	200A (3s)
	Discharge Cut-off Voltage	45.5V	45.5V	42V
	Charge Temperature Range	0~60°C	0~60°C	0~60°C
Environmental	Discharge Temperature Range	-20°C~65°C	-20°C~65°C	-20°C~65°C
Requirements	Storage Temperature Range	-5~40°C	-5~40°C	-5~40°C
	Storage Humidity	65±20% HR	65±20% HR	65±20%HR
	Size(L×W×H)	453×493×133mm	520x241x175mm	520x491x171
	Package Size (L×W×H)	530×480×230mm	530×540×260mm	530×540×260mm
Mechanical	Shell Material	SPCC	SPCC	SPCC
Characteristics	Net Weight	27.5kg	41kg	45kg
	Gross Weight	39.5kg	47kg	55kg
	Package Method	1pcs per carton	1pcs per carton	1pcs per carton
	Cycle Life	≥6000 times	≥6000 times	≥6000 times
	Self Discharge	2% per month	2% per month	2% per month
Others Characteristics	SOC Indication	LED Light	LED Light	LED Light
	Communication Mode	RS485	RS485/CAN	RS485/CAN
	Matching Inverter	Growatt, Good	EX etc	



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Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



_ightweight

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Function

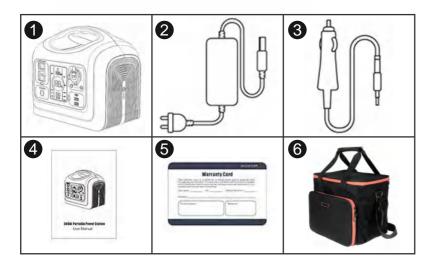
Support parallel operation



- LCD monitor the energy storage power data and operating status.
- High-quality LiFePO4 battery, safety, deep cycle and long lifespan.
- Air cooling to improve the reliability of the product.
- External main switch to reduce product power consumption and improve safety.
- Foot pads and wall brackets, which can meet the installation and use of different place.

Product acessories





- 1. 1800W Portable power station
- 2. Power adapter
- 3. Car charger to DC7909 line
- 4. Use manual
- 5. Two-year warranty card
- 6. Portable Hand Bag

Portable Power Station-PPS



Description	Parameters				
Mode	ZECO-PPS-600	ZECO-PPS-1200			
Rated voltage	100~120Vac/220~240Vac				
Rated power	600W	1200W			
Peak power	1000W	3600W			
Frequency	50/60Hz				
Rated voltage	12'	V			
Rated current	10,	A			
USB-A output	5V/3A; 9V/1.5A (18W Max)				
USB-C output	5V/3A; 9V/3A; 12A/3A; 15V/3A; 20V/3A (60W Max)				
USB-C output	5V/3A; 9V/3A; 12A/1.5A (18W Max)				
LED Light	7W Three Working Mode	5W Three Working Mode			
Input voltage	12V-	30V			
Input power	100W Max	200W Max			
Rated capacity	595Wh	992Wh			
Rated voltage	19.2Vdc	32Vdc			
Battery cell type	LiFel	PO ₄			
Waterproof	IP21				
Working temperature	0-40 °C				
Size	267*197*247mm 330*220*289mm				
Net weight	6.8kg 11kg				

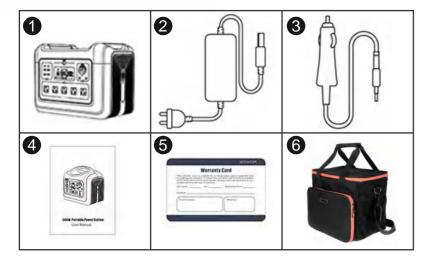
PRODUCT	Laptop (56W)	Mobile Phone (12.4W)	Camera (28W)	Speaker (20W)	Drone (22.2W)	Car refrigerator (65W)	Tablet (30W)	Outdoor light (4W)
ZECO-600 (600W)	Discharge 10 hours	Discharge 48 hours	Discharge 21 hours	Discharge 30 hours	Discharge 27 hours	Discharge 9 hours	Discharge 20 hours	Discharge 150 hours
ZECO-1200 (1200W)	Discharge 21 hours	Discharge 96 hours	Discharge 42 hours	Discharge 60 hours	Discharge 54 hours	Discharge 18 hours	Discharge 40 hours	Discharge 300 hours



- LCD monitor the energy storage power data and operating status.
- High-quality LiFePO4 battery, safety, deep cycle and long lifespan.
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- Foot pads and wall brackets, which can meet the installation and use of different place.

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- 5. Two-year warranty card
- 6. Portable Hand Bag

Handbag Parameters

Dimension	390*440*65mm
Net weight	1Kg
Suitable for	600W/1200W portable power station

Portable Power Station-PPS



Description	Parameters					
Mode	ZECO-PPS-1800	ZECO-PPS-2400				
Rated voltage	100~120Vac/220~240Vac					
Rated power	1800W	2400W				
Peak power	4000W	4400W				
Frequency	50/6	60Hz				
Rated voltage	1:	2V				
Rated current	10	0A				
USB-A output	5V/3A; 9V/1.	5A (18W Max)				
USB-C output	5V/3A; 9V/3A; 12A/3A; 15V/3A; 20V/3A (60W Max)					
USB-C output	5V/3A; 9V/3A; 12A/1.5A (18W Max)					
LED Light	5W Three Working Mode	7W Three Working Mode				
Input voltage	12V	7-30V				
Input power	2*200W Max	2*24V/200W Max				
Rated capacity	1448Wh	/				
Rated voltage	32Vdc	1				
Battery cell type	LiFePO ₄					
Waterproof	IP21					
Working temperature	0-40 °C					
Size	385*243*340mm	420*270*313mm				
Net weight	15kg	20.7kg				

PRODUCT	Laptop (56W)	Mobile Phone (12.4W)	Camera (28W)	Speaker (20W)	Drone (22.2W)	Car refrigerator (65W)	Tablet (30W)	Outdoor light (4W)
ZECO-1800 (1800W)	Discharge 32 hours	Discharge 145 hours	Discharge 64 hours	Discharge 90 hours	Discharge 81 hours	Discharge 27 hours	Discharge 60 hours	Discharge 450 hours
ZECO-2400 (2400W)	Discharge 43 hours	Discharge 193 hours	Discharge 85 hours	Discharge 120 hours	Discharge 108 hours	Discharge 36 hours	Discharge 80 hours	Discharge 600 hours



Description

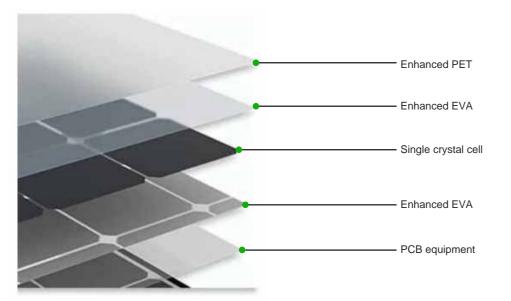
Made up of efficient monocrystalline silicon cells, it can recharge portable power stations, and keep your equipment running without interruption when connected to our portable power station. solar panel, high conversion efficiency up to 20%, pair with 600W to get your solar generator kit. Suited for outdoor adventures or emergency back up for blackouts. The Solar Panel is IP65 water-resistant that will protect from water splashing. solar panel with kickstand: Foldable design and weighs only 5.1kg. Adjust the angle with the built-in kickstand.

Application

Recharge for Power Station

High Conversion Efficiency

Multiple protection



Solar Generator for Portable Power Station



Technical Specification

Туре	Single Crystal Silicon				
Output Power	100W	220W			
Cell Efficiency	20%-22%	20%			
Power Voltage	19.8V	19.8V			
Power Current	5A	12.1A			
DC Output	18V/100W	18V/220W			
Dimensions	415*370*35 (folded) 1670*415*5 (unfolded)	655*520*35 (folded) 2290*520*5 (unfolded)			
Net weight	4.75kg	10.5kg			
Waterproof	IPX4	IPX4			
Operating Temperature Range	-10~70℃	-10~70˚C			
Packing Dimensions:	L x W x H 480 x 90 x 45mm	L x W x H 750 x 640 x 140mm			

Package





