



ZJNAC SOLAR

**PRODUCT
SPECIFICATIONS 产品规格书**

SOLAR MODULE
PV INVERTER
LITHIUM BATTERY
PORTABLE POWER STATION
PV CABLE
SOLAR MOUNTING SYSTEM

ZJNAC SOLAR
ONE-STOP SOLAR & STORAGE SOLUTIONS SUPPLIER
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ZJNAC Solar is a Chinese state-owned enterprise with solar module manufacturing capabilities and a comprehensive portfolio of solar energy products and supply chain services. We help customers simplify sourcing and coordinate procurement and delivery across finished products and key manufacturing materials.

Our product range includes solar modules, PV inverters, lithium battery systems with integrated battery management systems (BMS), PV cables, and solar mounting structures for residential and commercial applications. We also supply solar-powered irrigation solutions, including DC pumps and solar pumping inverters. Quality control and product testing are central to our approach, helping ensure reliable performance.

By combining manufacturing capabilities, a broad product portfolio, and dedicated customer support, ZJNAC Solar aims to build long-term partnerships that support our customers' growth and the transition to cleaner energy.

质量认证 Quality Certification

ISO 9001: 2015质量管理体系 Quality management systems

ISO 14001: 2015 环境管理体系 Environment management systems

ISO 45001: 2018 职业健康安全管理体系

Occupational health and safety management systems

Occupational health and safety management systems

IEC 61215/IEC 61730/IEC 61701/IEC 62716/CE/CQC/INMETRO/BIS/TUV



ZYxxxG12NHB-132

0~+5W

700~720W

TOPCon Mono-crystalline Bifacial Module

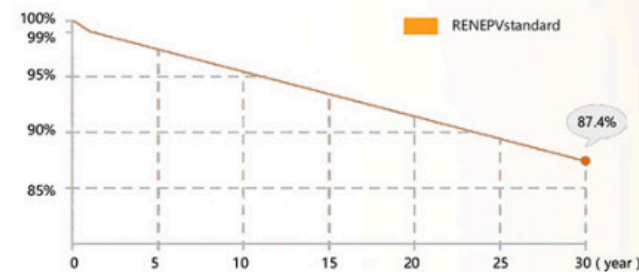
23.2%

High Module Conversion Efficiency

Key Features

- Outstanding performance in weak-light conditions
- Lower operating temperature
- Half-cell and MBB design
- Extended wind and snow load tests
- Withstanding harsh environment
- Use scenario customization

Quality Certification



Materials and workmanship warranty



Linear performance warranty

First year power degradation < 1%
Annual degradation < 0.4%

Product Guarantee

ISO9001:2015 Quality management systems
ISO14001:2015 Environment management systems
ISO45001:2018 Occupational health and safety management systems
IEC61215/IEC61730/IEC61701/IEC62716
TUV/CE/CQC/MCS/BIS/SASO/SGS/INMETRO



Electrical Characteristics

Module Type		ZY700G12NHB-132		ZY705G12NHB-132		ZY10G12NHB-132		ZY715G12NHB-132		ZY720G12NHB-132	
Working Conditions		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power at STC/NMOT(Pmax)	W	700	523.6	705	527.3	710	531.1	715	534.8	720	534.8
Optimum Operating Voltage(Vmp)	V	40.61	37.77	40.76	37.91	40.91	38.05	41.06	38.19	41.25	38.36
Optimum Operating Current(Imp)	A	17.24	13.86	17.30	13.91	17.36	13.96	17.41	14.01	17.46	14.04
Open Circuit Voltage(Voc)±3%	V	48.53	45.13	48.68	45.27	48.83	45.41	48.98	45.55	49.17	45.73
Short Circuit Current(Isc)±3%	A	18.09	14.69	18.13	14.74	18.21	14.8	18.27	14.86	18.30	14.91
Module Efficiency	%	22.5		22.7		22.9		23.0		23.2	
Maximum System Voltage	V	1500 (DC)									
Maximum Series Fuse Rating	A	35									
Operating Module Temperature	℃	-40~+85									

STC : Irradiance 1000W/m², cell temperature 25°C, atmospheric quality AM1.5
NMOT : Irradiance 800W/m², ambient temperature 20°C, AM1.5, wind speed 1m/s

Mechanical Characteristics

Solar Cell (No. of cells)	N-Mono 210x210 66 PCS
Dimensions	2384x1303x33mm
Weight	36.0kg(±3%)
Glass	2.0+2.0mm Low-iron tempered glass
Frame	Anodized aluminum alloy
Junction Box	Ip68 rated 3 bypass-diodes
Output Cables	4mm ² /2x300mm or Customized length
Mechanical Load	5400Pa/2400Pa
Safety Rate	Class II (IEC)

Temperature Characteristics

Temperature Coefficient of P _{max}	%/°C	-0.30
Temperature Coefficient of V _{oc}	%/°C	-0.25
Temperature Coefficient of I _{sc}	%/°C	+0.05
Nominal Module Operating Temperature	°C	45±2

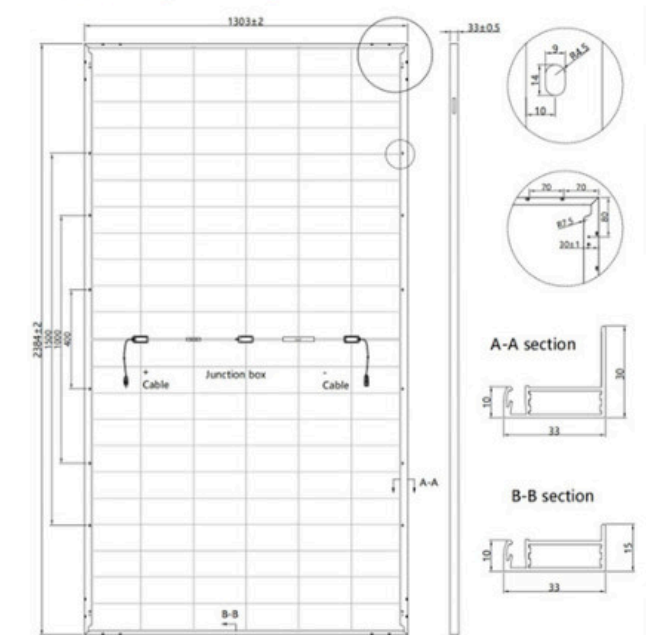
Different Backside Power Gain(590W)

Power Gain		5%	15%	25%
Maximum Power Pmp	W	735.0	805.0	875.0
Optimum Operating Voltage(Voc)	V	40.61	40.61	40.61
Optimum Operating Current(Imp)	A	18.10	19.82	21.55
Open Circuit Voltage(Voc)	V	48.53	48.53	48.53
Short Circuit Current(Imp)	A	19.17	21.00	22.82

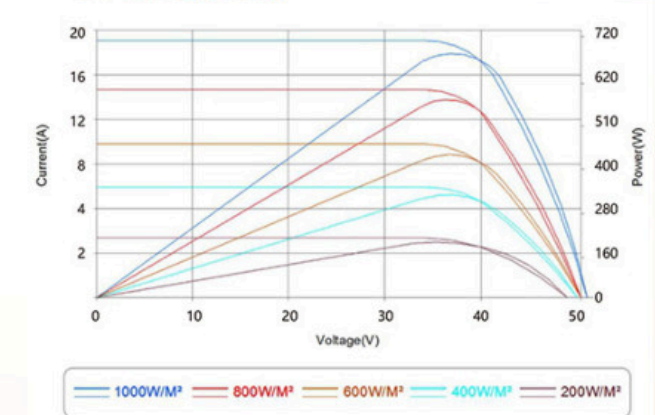
Packing Configuration

Container 40'HQ	33PCS/pallet	18pallet/40'HQ	594PCS/40'HQ
17.5m Land Truck	33PCS/pallet	24pallet/truck	792PCS/truck

Assembly Drawing (mm)



I-V Curves(590W)



ZYxxxG12RNHB-132

0~+5W

610~630W

TOPCon Mono-crystalline Bifacial Module

23.3%

High Module Conversion Efficiency



Key Features



Outstanding performance in weak-light conditions



Lower operating temperature



Half-cell and MBB design



Extended wind and snow load tests

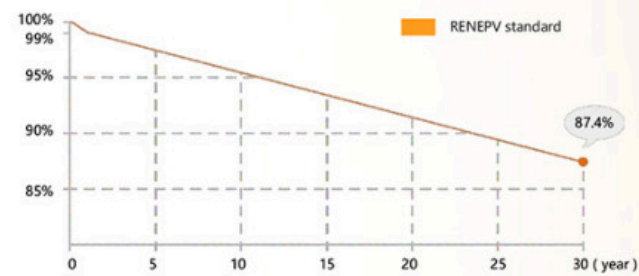


Withstanding harsh environment



Use scenario customization

Quality Certification



Materials and workmanship warranty

First year power degradation < 1%
Annual degradation < 0.4%

Linear performance warranty

Product Guarantee

ISO9001:2015 Quality management systems
 ISO14001:2015 Environment management systems
 ISO45001:2018 Occupational health and safety management systems
 IEC61215/IEC61730/IEC61701/IEC62716
 TUV/CE/CQC/MCS/BIS/SASO/SGS/INMETRO



Electrical Characteristics

Module Type		ZY610G12RNHB-132	ZY615G12RNHB-132	ZY620G12RNHB-132	ZY625G12RNHB-132	ZY630G12RNHB-132					
Working Conditions		STC	NMOT	STC	NMOT	STC	NMOT				
Maximum Power at STC/NMOT(Pmax)	W	610	458.7	615	462.5	620	466.2	625	470.0	630	473.8
Optimum Operating Voltage(Vmp)	V	40.00	37.20	40.19	37.38	40.39	37.56	40.46	37.63	40.52	37.68
Optimum Operating Current (Imp)	A	15.25	12.33	15.30	12.37	15.35	12.41	15.45	12.49	15.55	12.57
Open Circuit Voltage(Voc)±3%	V	47.59	44.26	47.78	44.44	47.98	44.62	48.05	44.69	48.11	44.74
Short Circuit Current(Isc)±3%	A	16.20	13.10	16.25	13.14	16.30	13.18	16.38	13.25	16.47	13.32
Module Efficiency	%	22.6		22.7		22.9		23.1		23.3	
Maximum System Voltage	V	1500 (DC)									
Maximum Series Fuse Rating	A	30									
Operating Module Temperature	℃	-40~+85									

STC : Irradiance 1000W/m², cell temperature 25°C, atmospheric quality AM1.5
 NMOT : Irradiance 800W/m², ambient temperature 20°C, AM1.5, wind speed 1m/s

Mechanical Characteristics

Solar Cell (No. of cells)	N-Mono 182x210 66 PCS
Dimensions	2382x1134x30 mm
Weight	32.0kg(±3%)
Glass	2.0+2.0mm Low-iron tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 rated 3 bypass-diodes
Output Cables	4mm ² /2x300mm or Customized length
Mechanical Load	5400Pa/2400Pa
Safety Rate	Class II (IEC)

Temperature Characteristics

Temperature Coefficient of P _{max}	%/°C	-0.30
Temperature Coefficient of V _{oc}	%/°C	-0.25
Temperature Coefficient of I _{sc}	%/°C	+0.05
Nominal Module Operating Temperature	°C	45±2

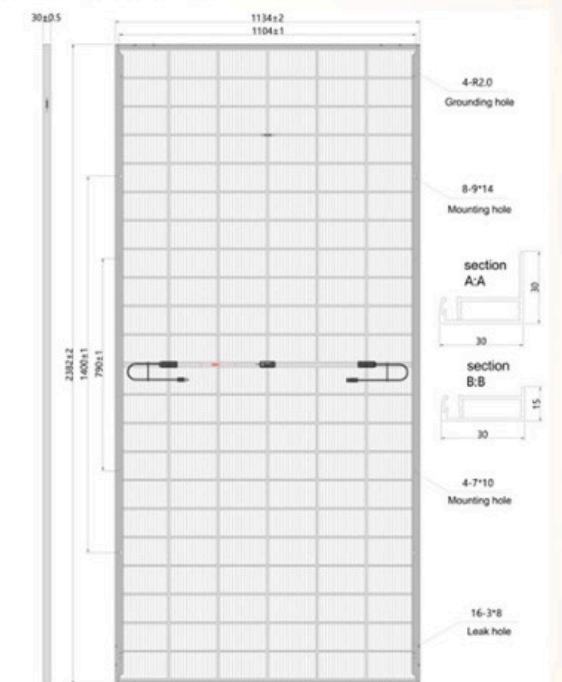
Different Backside Power Gain(630W)

Power Gain		5%	15%	25%
Maximum Power P _{mp}	W	661.5	724.5	787.5
Optimum Operating Voltage(V _{oc})	V	40.52	40.52	40.52
Optimum Operating Current(I _{mp})	A	16.33	17.88	19.43
Open Circuit Voltage (V _{oc})	V	48.11	48.11	48.11
Short Circuit Current(I _{mp})	A	17.40	19.06	20.72

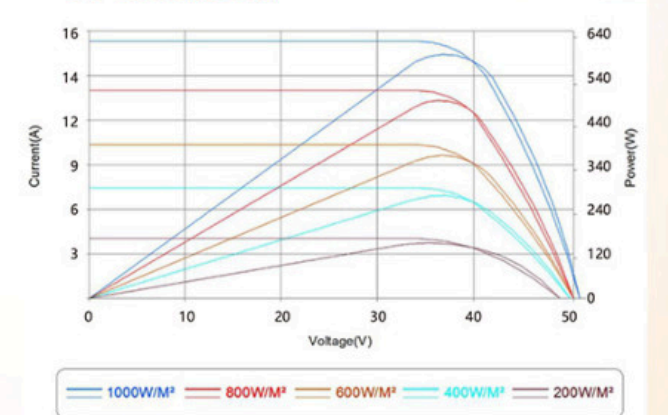
Packing Configuration

Container 40'HQ	37PCS/pallet	20pallet/40'HQ	740PCS/40'HQ
17.5m Land Truck	37PCS/pallet	26pallet/truck	962PCS/truck

Assembly Drawing (mm)



I-V Curves(630W)



ZYxxxM10NHB-144

0~+5W

580~600W

TOPCon Mono-crystalline Bifacial Module

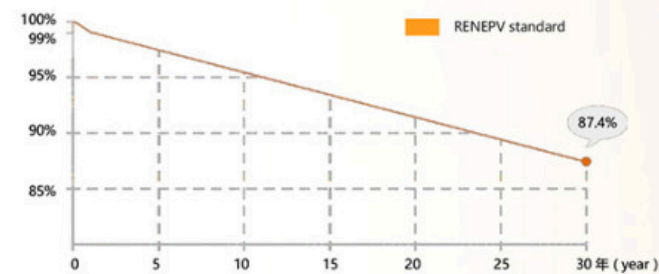
23.2%

High Module Conversion Efficiency

Key Features

- Outstanding performance in weak-light conditions
- Lower operating temperature
- Half-cell and MBB design
- Extended wind and snow load tests
- Withstanding harsh environment
- Use scenario customization

Quality Certification



12 years

Materials and workmanship warranty

First year power degradation < 1%
Annual degradation < 0.4%

30 years

Linear performance warranty

Product Guarantee

ISO9001:2015 Quality management systems
 ISO14001:2015 Environment management systems
 ISO45001:2018 Occupational health and safety management systems
 IEC61215/IEC61730/IEC61701/IEC62716
 TUV/CE/CQC/MCS/BIS/SASO/SGS/INMETRO



Electrical Characteristics

Module Type		ZY580M10NHB-144	ZY585M10NHB-144	ZY590M10NHB-144	ZY595M10NHB-144	ZY600M10NHB-144					
Working Conditions		STC	NMOT	STC	NMOT	STC	NMOT				
Maximum Power at STC/NMOT(Pmax)	W	580	433.8	585	437.6	590	441.3	595	445.1	600	448.8
Optimum Operating Voltage(Vmp)	V	43.68	40.62	43.83	40.76	43.99	40.91	44.15	41.06	44.31	41.21
Optimum Operating Current (Imp)	A	13.28	10.68	13.35	10.74	13.42	10.79	13.48	10.84	13.54	10.89
Open Circuit Voltage(Voc)±3%	V	51.84	48.21	52.01	48.37	52.18	48.53	52.35	48.69	52.52	48.84
Short Circuit Current(Isc)±3%	A	13.83	11.39	13.90	11.45	13.98	11.51	14.05	11.57	14.12	11.63
Module Efficiency	%	22.5	22.6	22.8	23.0	23.2					
Maximum System Voltage	V	1500 (DC)									
Maximum Series Fuse Rating	A	30									
Operating Module Temperature	℃	-40~+85									

STC : Irradiance 1000W/m², cell temperature 25°C, atmospheric quality AM1.5NMOT : Irradiance 800W/m², ambient temperature 20°C, AM1.5, wind speed 1m/s

Mechanical Characteristics

Solar Cell (No. of cells)	(N-Mono) 182.2x183.75 - 72 PCS
Dimensions	2278x1134x30 mm
Weight	31.6 kg(±3%)
Front Glass	Low-iron tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 rated(3 bypass-diodes)
Output Cables	(Customized length)
Mechanical Load	5400Pa/2400Pa
Safety Rate	Class II (IEC)

Temperature Characteristics

Temperature Coefficient of P _{max}	%/°C	-0.30
Temperature Coefficient of V _{oc}	%/°C	-0.25
Temperature Coefficient of I _{sc}	%/°C	+0.05
Nominal Module Operating Temperature	°C	45±2

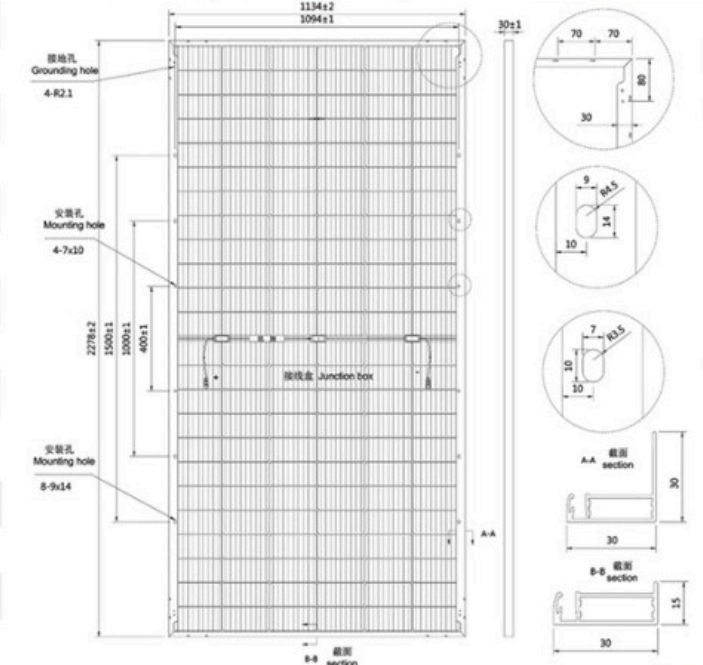
Different Backside Power Gain(590W)

Power Gain		5%	15%	25%
Maximum Power P _{mp}	W	619.5	678.5	737.5
Optimum Operating Voltage(V _{oc})	V	43.99	43.99	43.99
Optimum Operating Current(I _{mp})	A	14.08	15.42	16.77
Open Circuit Voltage (V _{oc})	V	52.18	52.18	52.18
Short Circuit Current(I _{mp})	A	15.03	16.46	17.89

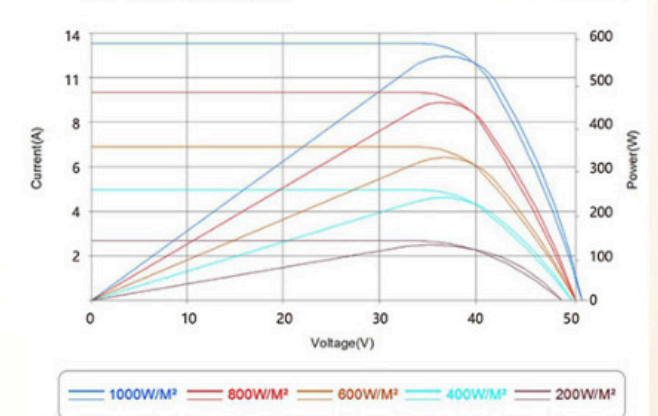
Packing Configuration

Container 40'HQ	37PCS/pallet	20pallet/40'HQ	740 PCS/40'HQ
17.5m Land Truck 30 border	37PCS/pallet	28pallet/truck	1036PCS/truck

Assembly Drawing (mm)



I-V Curves(590W)



Mono-crystalline Solar PV Modules

**M182
TOPCon**

360W

ZY360M2W-72

Mono Single Glass 1/3-cut Module

22.4%

Module efficiency

Electrical Specifications

Module Type		ZY360M2W-72	
STC: AM1.5 Temperature 25°C Irradiance 1000W/m²	Peak Power(Pmax)±3%	(W)	360
	Power Tolerance	(W)	0~+5
	Max.Power Voltage(Vmp)	(V)	40.34
	Max.Power Current(Imp)	(A)	8.92
	Open-circuit Voltage(Voc)±3%	(V)	47.31
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800W/m²	Short-circuit Current(Isc)+3%	(A)	9.63
	Peak Power(Pmax)±3%	(W)	269.28
	Max.Power Voltage(Vmp)	(V)	37.52
	Max.Power Current(Imp)	(A)	7.18
	Open-circuit Voltage(Voc)	(V)	42.05
	Short-circuit Current(Isc)	(A)	7.75
	Operating Temperature	(°C)	-40~+85
Max. Series Fuse Rating		(A)	15
Max. System Voltage(DC)		(V)	1000(IEC)

Mechanical Specifications

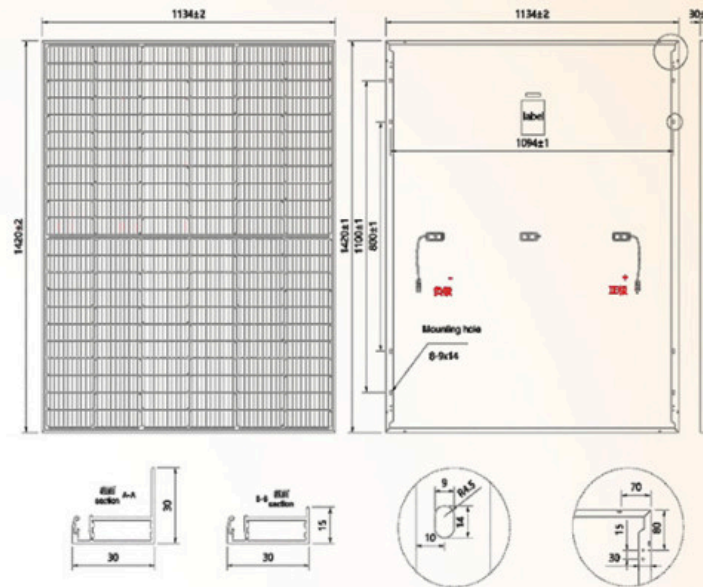
Solar Cells	N-Mono-182*60.6mm
Arrangement	Type-6*11*2
Front Glass	3.2mm tempered glass
Backsheet	Fluoride on both sides
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cables	4mm² Photovoltaic cables
Connectors	MC4 Compatible/IP68
Maximum Load Capacity	Snow-3600Pa/Wind-1600Pa
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)

Packing Configuration

Package Weight & Size				
	634Kg/pallet & 1450*1140*1260mm			
20'GP Container	2 pcs/carton	248 cartons/20'GP	496 pcs	
40'HQ Container	37pcs/pallet	32 pallet/40'HQ	1184 pcs	
13.5m Land Truck	37pcs/pallet	36 pallet/truck	1332 pcs	

Dimensions of PV Module

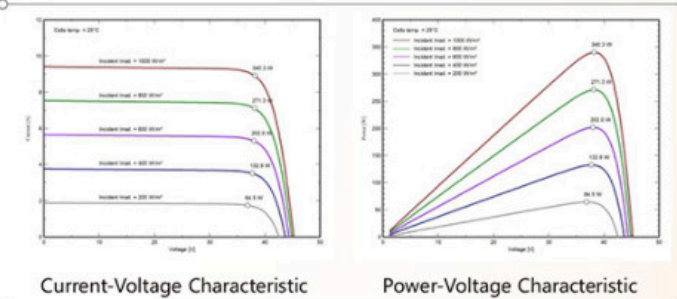
Module Dimensions	1420*1134*30mm
Module Weight	16.6 kg(±3%)



Temperature Characteristics

Temperature Coefficient (Pmax)	δ[%/°C]	-0.35
Temperature Coefficient (Voc)	β[%/°C]	-0.30
Temperature Coefficient (Isc)	α[%/°C]	+0.045
Nominal Operating Cell Temperature	NMOT	44°C±2°C

I-V & P-V Curves



Configuration	Default	Choose
Frame Color	☐ Silver	☐ Black
Backsheet Color	☐ White	☐ Transparent ☐ Black
Cable Length	☐ 300mm	☐ Customization
Connectors	☐ Compatible MC4	☐ Original EVO2



Mono-crystalline Solar PV Modules

**M182
TOPCon**

220W

ZY220M2C-72

Mono Single Glass Module

21.2%

Module efficiency

Electrical Specifications

Module Type		ZY220M2C-72	
STC: AM1.5 Temperature 25°C Irradiance 1000W/m²	Peak Power(Pmax)±3%	(W)	220
	Power Tolerance	(W)	0~+5
	Max.Power Voltage(Vmp)	(V)	40.52
	Max.Power Current(Imp)	(A)	5.43
	Open-circuit Voltage(Voc)±3%	(V)	47.91
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800W/m²	Short-circuit Current(Isc)+3%	(A)	5.99
	Peak Power(Pmax)±3%	(W)	164.66
	Max.Power Voltage(Vmp)	(V)	37.68
	Max.Power Current(Imp)	(A)	4.37
	Open-circuit Voltage(Voc)	(V)	44.46
	Short-circuit Current(Isc)	(A)	4.68
	Operating Temperature	(°C)	-40~+85
Max. Series Fuse Rating		(A)	15
Max. System Voltage(DC)		(V)	1000(IEC)

Mechanical Specifications

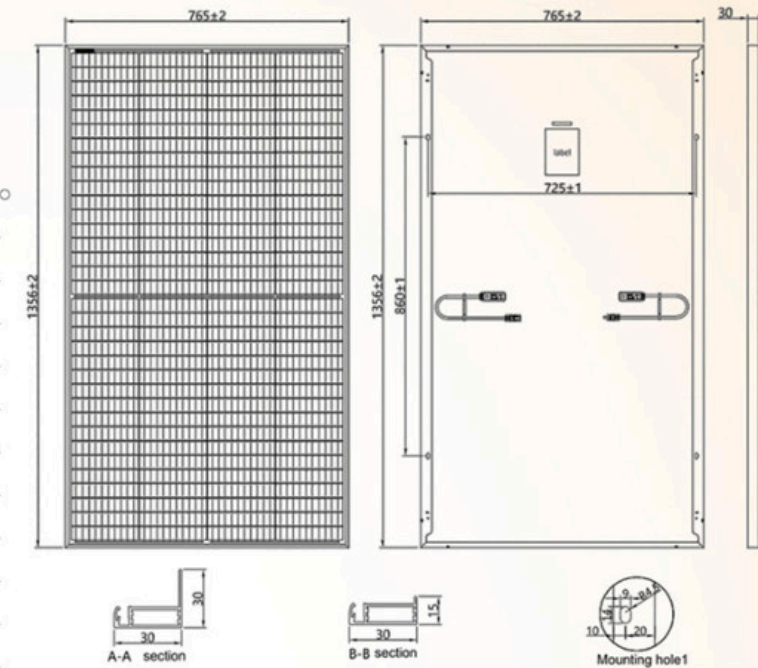
Solar Cells	N-Mono-182*36.4mm
Arrangement	Type-4*17*2
Front Glass	3.2mm tempered glass
Backsheet	Fluoride on both sides
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cables	4mm² Photovoltaic cables
Connectors	MC4 Compatible/IP68
Maximum Load Capacity	Snow-3600Pa/Wind-1600Pa
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)

Packing Configuration

Package Weight & Size				
	420Kg/pallet & 1385*1140*900mm			
20'GP Container	2 pcs/carton	371 cartons/20'GP	742 pcs	
40'HQ Container	37pcs/pallet	48 pallet/40'HQ	1776 pcs	
13.5m Land Truck	37pcs/pallet	54 pallet/truck	1998 pcs	

Dimensions of PV Module

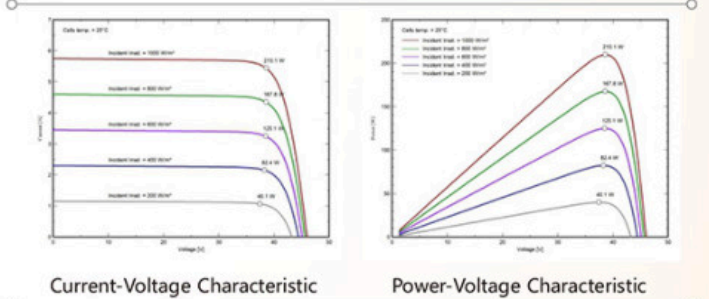
Module Dimensions	1356*765*30mm
Module Weight	10.6 kg(±3%)



Temperature Characteristics

Temperature Coefficient (Pmax)	δ[%/°C]	-0.35
Temperature Coefficient (Voc)	β[%/°C]	-0.30
Temperature Coefficient (Isc)	α[%/°C]	+0.045
Nominal Operating Cell Temperature	NMOT	44°C±2°C

I-V & P-V Curves



Configuration	Default	Choose
Frame Color	☐ Silver	☐ Black
Backsheet Color	☐ White	☐ Transparent ☐ Black
Cable Length	☐ 900mm	☐ Customization
Connectors	☐ Compatible MC4	☐ Original EVO2



Mono-crystalline Solar Flexible PV Modules

M10-PH6
PERC

120W

RFMM10PH6-120

PERC Mono-crystalline Flexible Module

18.8%

Module efficiency

Electrical Specifications

Module Type		RFMM10PH6-120	
STC: AM1.5 Temperature 25°C Irradiance 1000 W/m ²	Peak Power(Pmax)±3%	(W)	120
	Power Sorting	(W)	0~+4.99
	Max.Power Voltage(Vmp)	(V)	20.60
	Max.Power Current(Imp)	(A)	5.83
	Open-circuit Voltage(Voc)±3%	(V)	24.50
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m ²	Short-circuit Current(Isc)±3%	(A)	6.25
	Peak Power(Pmax)±3%	(W)	89.76
	Max.Power Voltage(Vmp)	(V)	19.16
	Max.Power Current(Imp)	(A)	4.69
	Open-circuit Voltage(Voc)±3%	(V)	22.79
Operating Temperature	Short-circuit Current(Isc)±3%	(A)	4.99
		(°C)	-20~+65
Max. Series Fuse Rating		(A)	10
Max. System Voltage(DC)		(V)	1500 (IEC)

Mechanical Specifications

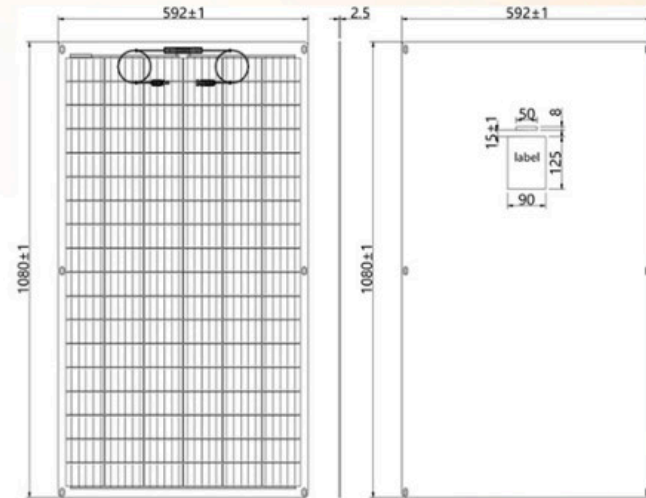
Solar Cells	P-Mono-182
Arrangement	Type-6*18
Front Sheet	PET composite membrane
Back sheet	PET composite membrane
Junction Box	IP68, 2 diodes
Cables	4.0mm ² photovoltaic cables
Connectors	MC4 compatible/DC 1500V
Application Class	Class A
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)

Packing Configuration

Package Weight	296Kg/pallet		
Package Size	1235*1130*1210mm		
20'GP Container	/	/	/
40'HQ Container	124 pcs/pallet	36 pallets/40'HQ	4464 pcs

Dimensions of PV Module

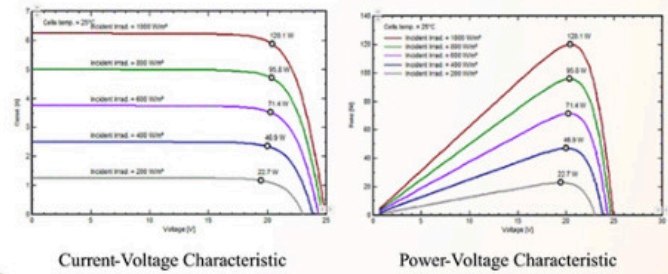
Module Dimensions	1080*592*2.5mm
Module Weight	1.6 kg(±3%)



Temperature Characteristics

Temperature Coefficient (Pmax)	δ[%/°C]	-0.37
Temperature Coefficient (Voc)	β[%/°C]	-0.30
Temperature Coefficient (Isc)	α[%/°C]	+0.045
Nominal Operating Cell Temperature	NMOT	44°C±2°C

I-V & P-V Curves



Configuration	Default	Choose
Back sheet Color	☒ White	☐ Transparent ☐ Black
Cable Length	☒ 300mm	☐ Customization
Connectors	☒ Compatible MC4	☐ Original EVO2



Mono-crystalline Solar Flexible PV Modules

M10-PH4
PERC

240W

RFMM10PH4-240

PERC Mono-crystalline Flexible Module

19.5%

Module efficiency

Electrical Specifications

Module Type		RFMM10PH4-240	
STC: AM1.5 Temperature 25°C Irradiance 1000 W/m ²	Peak Power(Pmax)±3%	(W)	240
	Power Sorting	(W)	0~+4.99
	Max.Power Voltage(Vmp)	(V)	20.60
	Max.Power Current(Imp)	(A)	11.65
	Open-circuit Voltage(Voc)±3%	(V)	24.50
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m ²	Short-circuit Current(Isc)±3%	(A)	12.50
	Peak Power(Pmax)±3%	(W)	179.52
	Max.Power Voltage(Vmp)	(V)	19.16
	Max.Power Current(Imp)	(A)	9.37
	Open-circuit Voltage(Voc)±3%	(V)	22.79
Operating Temperature	Short-circuit Current(Isc)±3%	(A)	9.97
		(°C)	-20~+65
Max. Series Fuse Rating		(A)	20
Max. System Voltage(DC)		(V)	1500 (IEC)

Mechanical Specifications

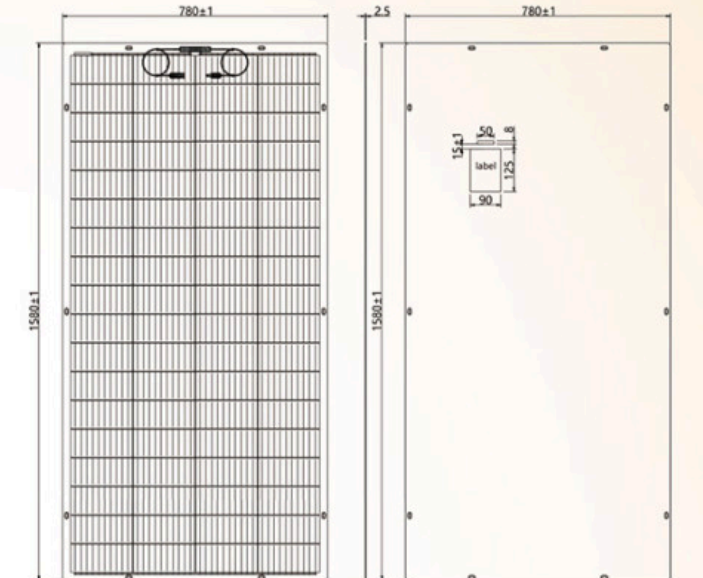
Solar Cells	P-Mono-182
Arrangement	Type-4*18
Front Sheet	PET composite membrane
Back sheet	PET composite membrane
Junction Box	IP68, 2 diodes
Cables	4.0mm ² photovoltaic cables
Connectors	MC4 compatible/DC 1500V
Application Class	Class A
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)

Packing Configuration

Package Weight	267Kg/pallet		
Package Size	1620*1130*910mm		
20'GP Container	/	/	/
40'HQ Container	62 pcs/pallet	28 pallets/40'HQ	1736 pcs

Dimensions of PV Module

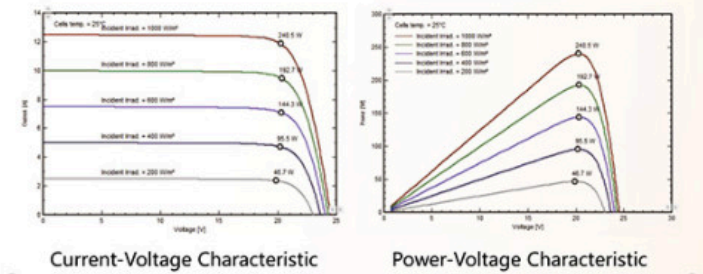
Module Dimensions	1580*780*2.5mm
Module Weight	2.9 kg(±3%)



Temperature Characteristics

Temperature Coefficient (Pmax)	δ[%/°C]	-0.37
Temperature Coefficient (Voc)	β[%/°C]	-0.30
Temperature Coefficient (Isc)	α[%/°C]	+0.045
Nominal Operating Cell Temperature	NMOT	44°C±2°C

I-V & P-V Curves



Configuration	Default	Choose
Back sheet Color	☒ White	☐ Transparent ☐ Black
Cable Length	☒ 300mm	☐ Customization
Connectors	☒ Compatible MC4	☐ Original EVO2



GF-FA1602P



High light transmittance improve the conversion efficiency



Adjustable, corrosion-resistant anodized aluminum kickstand



Features rigid, anodized aluminum frame and tempered glass construction ensure longer lifetime



High conversion efficiency monocrystalline solar cells



Equipped with the IP65-rated junction box, waterproof



Durable, low-maintenance, and dust-resistant, well built for years

Parts



Specifications			
Optimum Operating Voltage(Vmp)	18V	Cell Type	Monocrystalline
Optimum Operating Current(Imp)	8.89A	Cell Efficiency Rate	22%
Open-Circuit Voltage(Voc)	21.6V	Junction Box	IP65 Rated
Short-Circuit Current(Isc)	9.42A	Glass	Tempered Glass
Operating Temperature	-40°C to +85°C	Frame	Anodized Aluminum Alloy Frame
Power Tolerance	±3%	Size	680*1340*30mm
Total Solar Panel QTY	2PCS	Folded Size	680*670*60mm
Type	PERC	N.W.	9.38KGS

ⓘ Specification, descriptions and illustrations are subject to change without notice.



160W Portable Glass Folding Solar Panel-is designed for long term outdoor applications, equipped with monocrystalline solar cells, adjustable kickstands, aluminum frame and tempered glass constructions. The foldable design makes storage and transport easier. It is an ideal choice for camping, RV, yacht, etc.

GF-YT20W3P



Compact & Portable easily fits into most backpacks



ETFE surface: durable& longer life, high transmittance, easy to clean & anti-scratch



High conversion efficiency monocrystalline solar cells



USB output charge for different models of mobiles



feature of 4 hanging holes, 4 included carabiners and suction cups, convenient to hang the panels from different objects



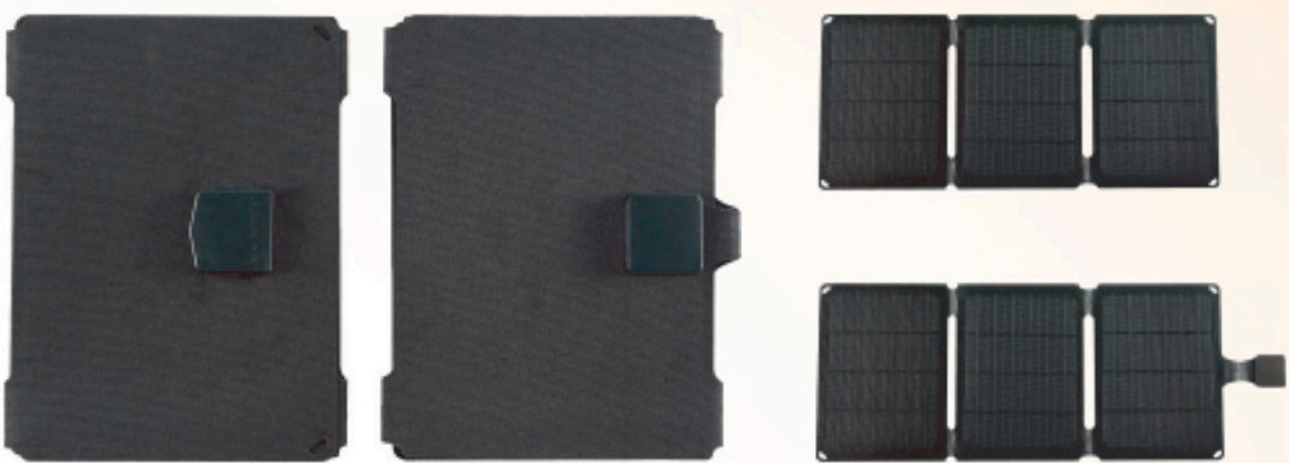
Ideal for camping, backpacking, hiking, or other outdoor adventures

Parts



Specifications			
Optimum Operating Voltage(Vmp)	6V	Type	PERC
Optimum Operating Current(Imp)	3.3A	Cell Type	Monocrystalline
Open-Circuit Voltage(Voc)	7.2V	Cell Efficiency Rate	22%
Short-Circuit Current(Isc)	3.5A	Unfolded Size	265*607*2mm
Operating Temperature	-40°C to +85°C	Folded Size	265*200*25mm
Power Tolerance	±5%	N.W.	0.55KGS
Total Solar Panel QTY	3PCS		

⚠ Specification, descriptions and illustrations are subject to change without notice.



20W One-piece Laminated Portable Folding Solar panel-an essential addition to upgrade your outdoor adventures. Its compact, lightweight and sturdy design, coupled with 2 easy-to-charge USB output interface, makes it a perfect choice for camping, hiking, or in need of emergency power.

GF-BF100W2P



High portability handle consist of ultra-light ABS resin



Adjustable kickstands for easy installation



High conversion efficiency monocrystalline solar cells



Multi-functional junction box contains QC USB-1/USB-2/USB-C& DC5525 outputs



PET surface: durable & longer life, high transmittance & easy to clean



Clean, renewable power on the go

Parts



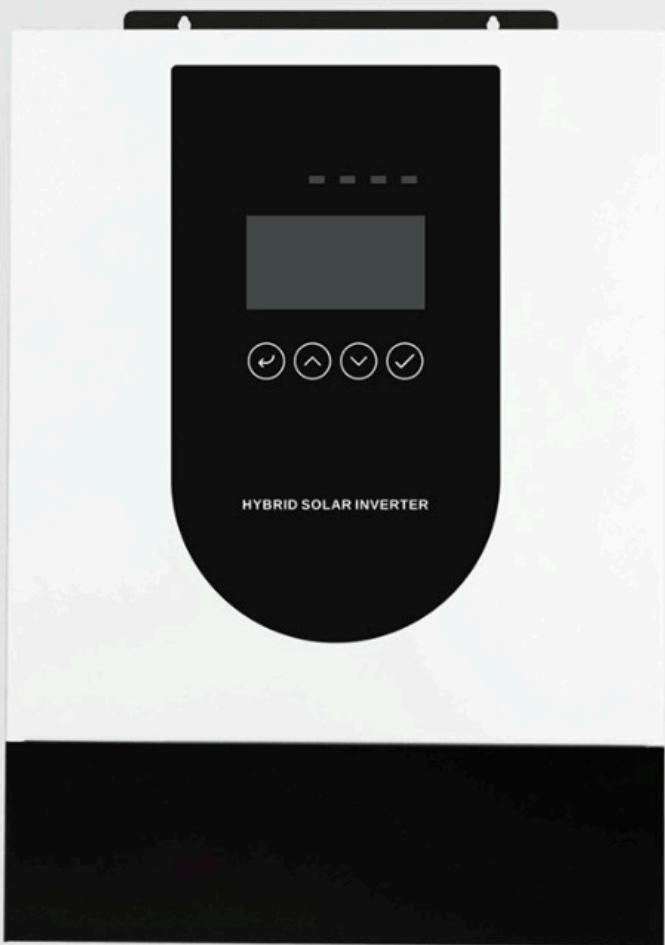
Specifications			
Optimum Operating Voltage(Vmp)	18V	Total Solar Panel QTY	2PCS
Optimum Operating Current(Imp)	5.56A	Type	PERC
Open-Circuit Voltage(Voc)	21.6V	Cell Type	Monocrystalline
Short-Circuit Current(Isc)	5.89A	Cell Efficiency Rate	22%
Operating Temperature	-40°C to +85°C	Unfolded Size	585*1260*6mm
Power Tolerance	±5%	Folded Size	585*630*50mm
Bag Color	Black Color or OEM Color	N.W.	4.05KGS

⚠ Specification, descriptions and illustrations are subject to change without notice.



100W Portable Folding Solar Panel-converts solar energy to renewable power, is equipped with monocrystalline solar cells, adjustable kickstands, multi-functional USB ports and sturdy handle, allows you to explore the great outdoors with an endless supply of clean renewable energy.

Solar Off-grid Inverter



GFP1.2KW-12V

- 

Built-in 60A
Solar Charger
- 

MPPT Range
18-115V
- 

Pure Sine Wave
- 

LCD
LCD Display
- 

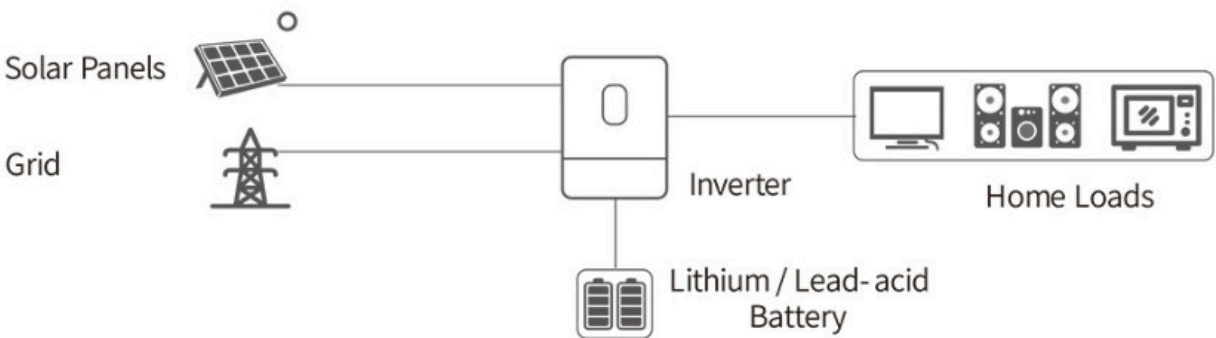
BMS
Support Lithium/
Lead-acid Battery
- 

Lithium Battery
Activation
- 

PF
Power Factor 1.0
- 

Detachable
Dust Cover

System Diagram



Specifications

Model	GFP1.2KW-12V
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	1.2
Surge Power (kVA)	2.4
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load
Max. Efficiency (Battery Mode)	90%@12VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input current / power	18A / 800W
MPPT Range@Operating Voltage (VDC)	17~115
Max PV Open Circuit Voltage (VDC)	115
Max PV Charge Current (A)	50A
Max AC Charge Current (A)	50A
Max. Charge Current (PV + AC) (A)	100A
Battery	
Rated Voltage (VDC)	12
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	USB
Monitoring	NA
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 60 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	3.5
Dimensions (W*H*D)	320x227x100mm
Max. Operating Altitude	4000m (Derating above 1000m)

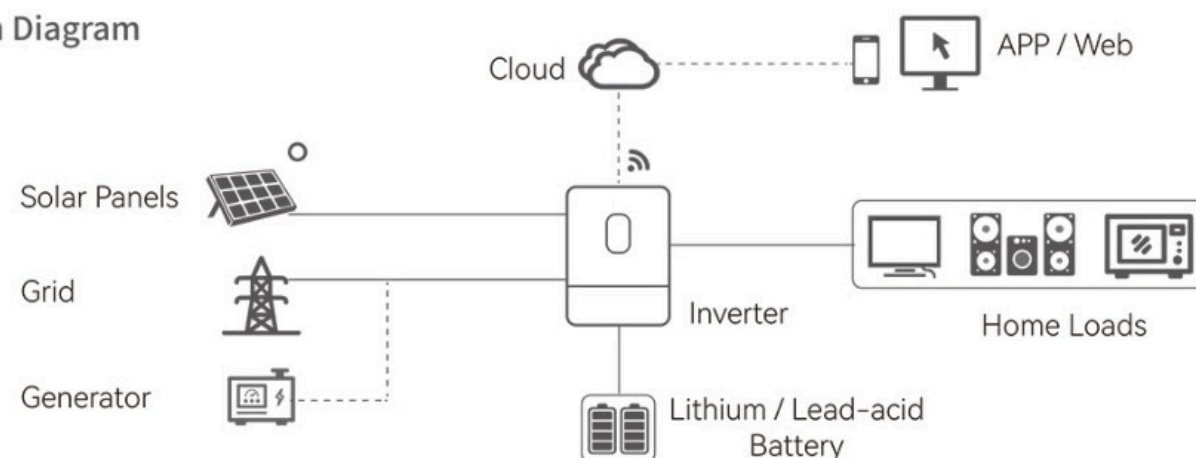
Hybrid Solar Inverter



GFP3.6KW-24V

- Built-in 100A Solar Charger
- Wide MPPT Range 40-500V
- Workable with Generator
- Complete CE Certificate
- BMS Support Lithium/Lead-acid Battery
- Lithium Battery Activation
- Detachable Dust Cover
- WiFi Monitoring

System Diagram



Specifications

Model	GFP3.6KW-24V
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	3.6
Surge Power (kVA)	7.2
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102%~110% load; 10s@110%~130% I 3s@130%~150% load; 0.2s@>150% load
Max. Efficiency (Battery Mode)	92.7%@24VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input Current / Input Power	18A / 5000W
MPPT Range@Operating Voltage (VDC)	40~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	100
Max AC Charge Current (A)	100
Max. Charge Current (PV + AC) (A)	100
Battery	
Rated Voltage (VDC)	24
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / RS232 / USB / Dry Contact
Monitoring	WiFi (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 50 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	6.2
Dimensions (W*H*D)	435x285x98mm
Max. Operating Altitude	4000m (Derating above 1000m)

Specifications

Model	GFP5.0KW-24V
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	5
Surge Power (kVA)	10
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%~120%load, 10s>120% load
Max. Efficiency (Battery Mode)	93.5%@24VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV Input Current / Input Power	27A / 9000W
MPPT Range@Operating Voltage (VDC)	60~450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	160
Max. AC Charge Current (A)	160
Max. Charge Current (PV + AC) (A)	160
Battery	
Rated Voltage (VDC)	24
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS232 / RS485 / USB
Monitoring	WiFi (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 60 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	8.4
Dimensions (W*H*D)	410x336x115mm
Max. Operating Altitude	4000m (Derating above 1000m)

Specifications

Model	GFP6.5KW-48V
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	6.5
Surge Power (kVA)	13
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%~120%; 10S@ > 120%Load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current / Input Power	27A / 9000W
MPPT Range@Operating Voltage (VDC)	60~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	120
Max AC Charge Current (A)	120
Max. Charge Current (PV + AC) (A)	120
Battery	
Rated Voltage (VDC)	48
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS232 / RS485 / USB
Monitoring	WiFi (Optional-Internal/External)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 60 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	8.4
Dimensions (W*H*D)	410x336x115mm
Max. Operating Altitude	4000m (Derating above 1000m)

Specifications

Model	GFP12.0KW-48V
AC Input	
Rated Input Voltage (VAC)	220/230/240; L+N+PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50/60(Auto Adaptive)
AC Output	
Rated Capacity (kW)	12
Surge Power (kVA)	24
Voltage (VAC)	220/230/240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10(APP/UPS mode), 20(GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%~125%Load 10s@ > 125%Load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	Dual MPPTs
Max. PV input Current / Input Power	Using One MPPT: 27A/9KW Using Two MPPTs: 22.5A/Per MPPT, 15kW/Total
MPPT Range@Operating Voltage (VDC)	60~450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	160
Max. AC Charge Current (A)	160
Max. Charge Current (PV + AC) (A)	160
Battery	
Rated Voltage (VDC)	50
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS232 / RS485 / CAN
Monitoring	WiFi (built-in)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C~60°C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15°C~60°C
Net Weight (kg)	14.5
Dimensions (H*W*D)	480*410*120
Max. Operating Altitude	4000m(Derating above 1000m)

Specifications

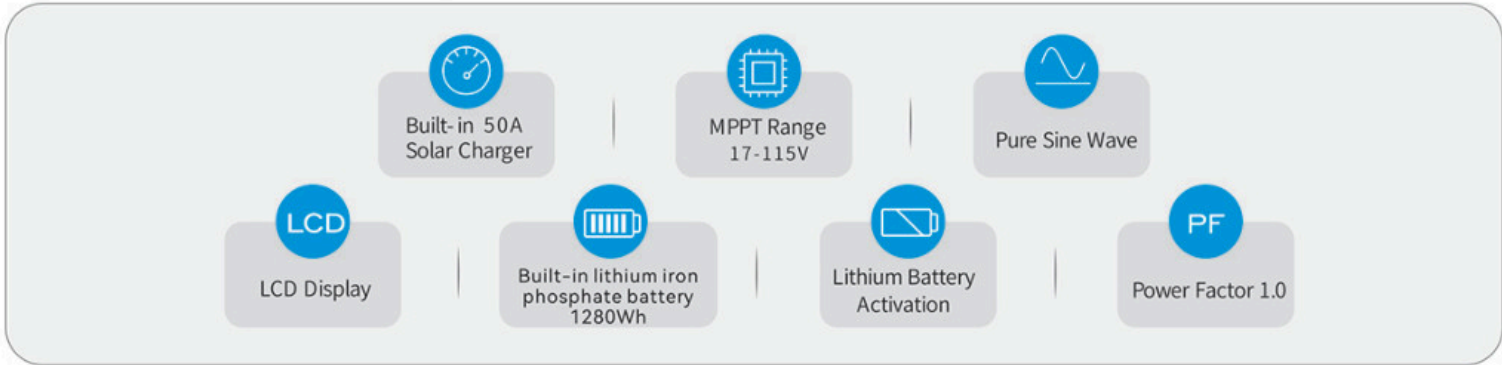
Model	GFP5.0KW-48V/P
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	5
Surge Power (kVA)	10
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load
Max. Efficiency (Battery Mode)	93%@48VDC
Parallel Quantity	9
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current / Input Power	18A / 6000W
MPPT Range@Operating Voltage (VDC)	120~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	80
Max AC Charge Current (A)	80
Max. Charge Current (PV + AC) (A)	80
Battery	
Rated Voltage (VDC)	48
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / RS232 / USB / Dry Contact
Monitoring	WiFi (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 50 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	9.5
Dimensions (W*H*D)	510x306x140mm
Max. Operating Altitude	4000m (Derating above 1000m)

SOLAR ENERGY STORAGE SYSTEM

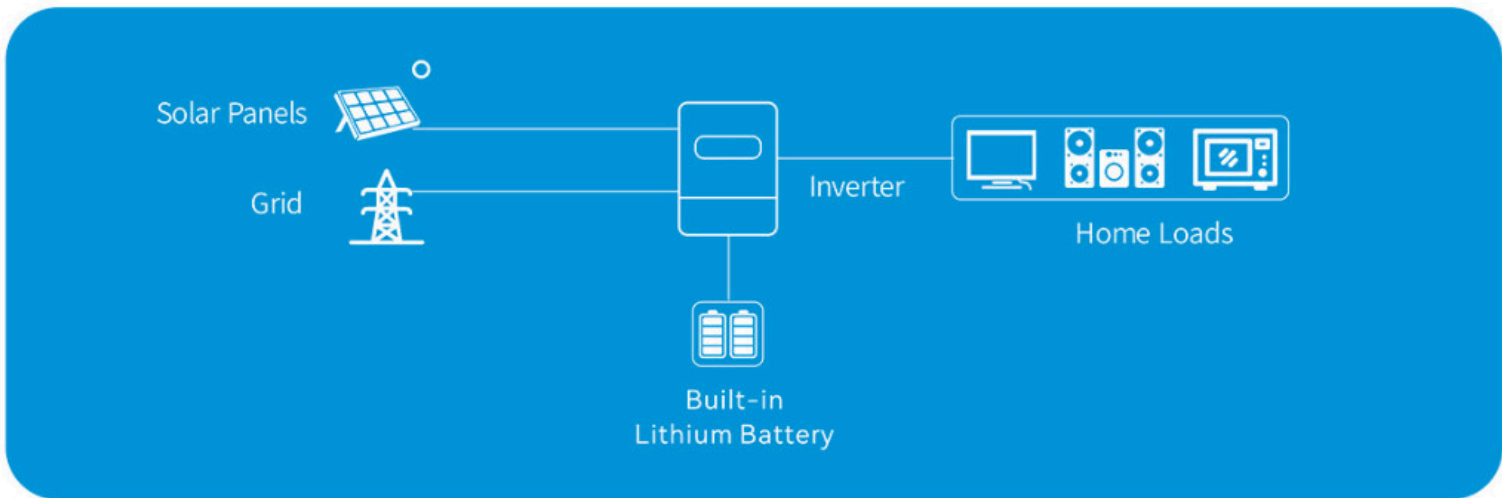
Model SYS1.5KW-12V



Solar Off-grid Function



System Diagram



Specifications

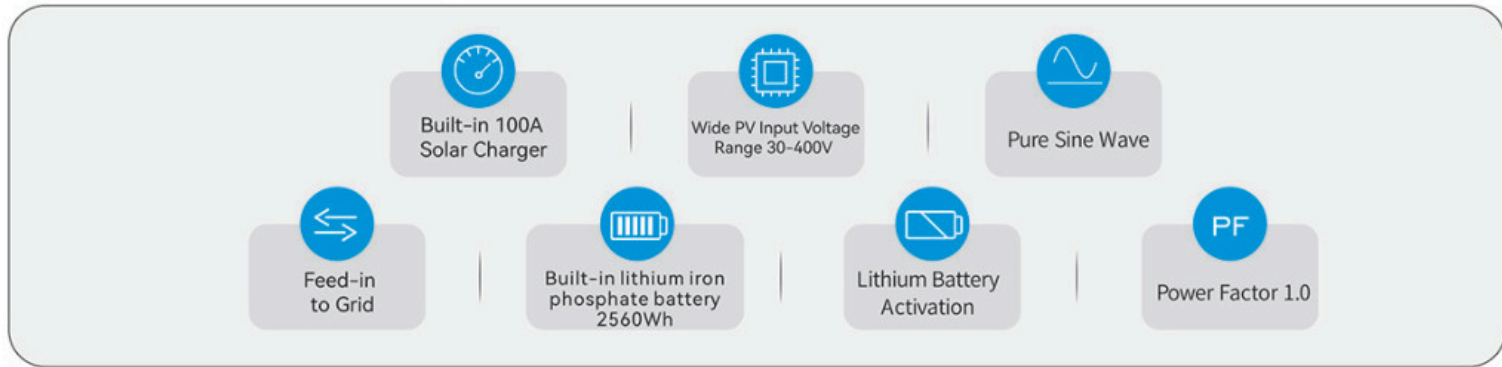
Model	SYS1.5KW-12V
Battery	
Battery Type	LiFePO4
Energy Storage	1280Wh
Nominal Voltage	12.8V
Nominal Capacity	100Ah
Charging Current	≤50A(≤100A)
Discharging Current	≤50A
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	1.5
Surge Power (kVA)	2.4
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load
Max. Efficiency (Battery Mode)	90%@12VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input current / power	18A/800W
MPPT Range@Operating Voltage (VDC)	17~115
Max PV Open Circuit Voltage (VDC)	115
Max PV Charge Current (A)	50A
Max AC Charge Current (A)	50A
Max. Charge Current (PV + AC) (A)	100A
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 60 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	17.2
Dimensions (W*H*D)	465x305x160mm
Max. Operating Altitude	4000m (Derating above 1000m)

SOLAR ENERGY STORAGE SYSTEM

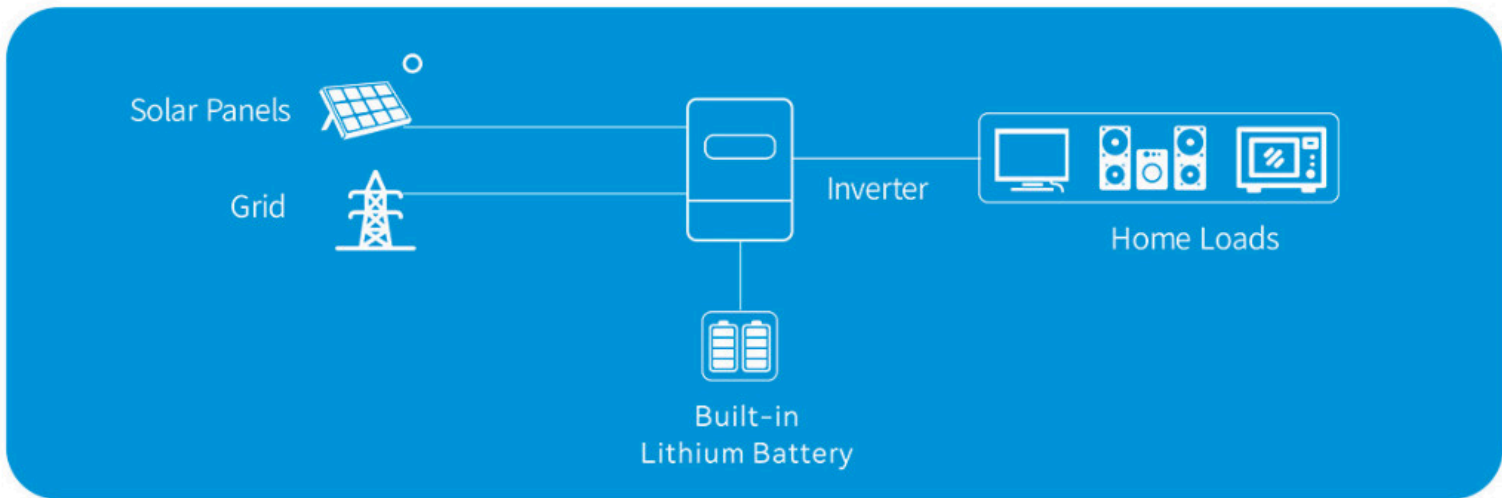
Model SYS2.5KW-12V



Solar Off-grid Function



System Diagram



Specifications

Model	SYS2.5KW-12V
Battery	
Battery Type	LiFePO4
Energy Storage	2560Wh
Nominal Voltage	12.8V
Nominal Capacity	200Ah
Charging Current	≤100A
Discharging Current	≤150A
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280 (APP/GEN mode); 170~264 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kVA/kW)	2.5
Surge Power (kVA)	4
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency (Hz)	50 / 60
Switch Time (ms)	10 (APP/UPS mode) / 20 (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (PV+Battery mode / PV mode)	long term@102%-125% load; 10s@125%-250% load
Max. Efficiency (Battery Mode)	91%@12VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input Current (A) / Input Power (W)	18 / 3000
MPPT Range@Operating Voltage (VDC)	30 - 400
Max. PV Open Circuit Voltage (VDC)	450
Max. PV Charge Current (A)	100
Max. AC Charge Current (A)	100
Max. Charge Current (PV + AC) (A)	100
General Data	
Ingress Protection	IP21
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	22
Dimensions (H*W*D) (mm)	535x355x210
Max. Operating Altitude (m)	4000 (Derating above 1000)



Residential energy storage lithium battery

51.2V | Wall-mounted and roller type

Product Features:

LiFePO4 battery technology

Intelligent BMS with CAN / RS-485 communication

100Ah / 200Ah: >6000 cycles; 314Ah: >4500 cycles

10+ years design life; 5 years product warranty

Model	51.2V100Ah	51.2V200Ah	51.2V314Ah
Dimensions (mm)	460 x 590 x 182.5	570 x 882 x 240	540 x 914 x 265
Weight (kg)	50	100	135
Internal resistance	<=30 mOhm	<=30 mOhm	<=30 mOhm
Rated capacity	100Ah	200Ah	314Ah
Nominal voltage	51.2V	51.2V	51.2V
Nominal energy	5120Wh	10240Wh	16076Wh
Usable energy	4608Wh	9216Wh	14469Wh
Charge voltage	57.6V	57.6V	57.6V
Discharge voltage	44.8V	44.8V	44.8V
Recommended current	50A	80A	157A
Max. charge/discharge	100A	100A	200A

RACK HIGH VOLTAGE ENERGY STORAGE
LITHIUM BATTERY

OTHSYSTEM-204.8V-100AH

Product Features:

- 19 inch standardized design, 3U height
- 3.2V100Ah square aluminum core,more stable performance
- Extrusion design, longer life
- System voltage range: $\leq 1000V$

Model Presentation

- Series and parallel : 64S1P
- Rated capacity: 100Ah
- Rated voltage: DC204.8V
- Voltage range: 179.2V~227.2V
- Rated energy: 20.48kWh
- Max. charge current: 50A
- Max. discharge current: 100A
- Ip grade: IP20
- discharge temp.: -20℃~45℃
- Charge temp. : 0℃~45℃



Mechanical Characteristics

Dimensions	Width	600mm
	Depth	600mm
	Height	1100mm

Note:All OTHVS series battery pack can work with HIGH VOLTAGE CONTROL MODULE and used in high voltage energy storage system. You can use the pack in series to meet your system requirement.



OHS-50

Rechargeable Li-ion Battery System

- Smaller Footprint**
higher energy density benefit from latest LFP technology
- Expandable**
Module design
Maximum 2.56kwh*10S*6P
- Monitor**
Real-time monitoring of battery charging and discharging, online system updates and maintenance

Cell Balance Function

Voltage Protection

Over Charge Protection

Over Discharge Protection

Over Current Protection

Short-circuit Protection

Temperature Protection

Soft Start Function



OHS-50

Technical Data



Technical specification	7.5KWH	10KWH	12.5KWH	15KWH	17.5KWH	20KWH
Installation Mode	Stackable					
Battery Type	LifePO4(LFP)					
Module Energy(kWh)	2.56					
Module Nominal Voltage(V)	51.2					
Module Capacity(Ah)	50					
System Model	OHS7.5K-50	OHS10K-50	OHS12.5K-50	OHS15K-50	OHS17.5K-50	OHS20K-50
Battery Module Qty InSeries(Optional)	3	4	5	6	7	8
System Nominal Voltage(V)	153.6	204.8	256.0	307.2	358.4	409.6
System Nominal Capacity(KWh)	7.68	10.24	12.80	15.36	17.92	20.48
Usable Capacity(KWh)	6.14	8.19	10.24	12.29	14.34	16.38
Dimension (mm)	800*280*722	800*280*864	800*280*1006	800*280*1148	800*280*1290	800*280*1432
Weight (Kg)	119.8	151.5	183.2	214.9	246.6	278.3
Recommend Charge/Discharge Current (A)	25					
Communication	CAN					
Ingress Protection	IP65					
Altitude	≤2000m					
Cycle Life	25±2°C,0.5C/0.5C,EOL70%≥6000					
Monitoring Parameters	System voltage,Current,cell voltage,cell temperature,module temperature					
SOC	Intelligent algorithm					
Working Temperature	0°C~55°C Charge -10°C ~60°C Discharge					
Storage Temperature	0~35°C					

- DC Usable Energy, test conditions: 80% DOD, 0.2C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
- The current is affected by temperature and SOC.
- The warranty is due whichever reached first of warranty period or life cycle power.

Portable Power Station

Power up your adventure.



481.6Wh

Battery capacity

600W

AC output

400W

Fast AC charging

LiFePO4 battery

10-year cycle-life design

240W solar input

Built-in MPPT charging

UPS backup

Transfer time <10ms

Pure sine wave

Stable AC power output

UL-certified cells

EV-grade LiFePO4 cells

Smart BMS

Multiple safety protections



Compact power for outdoor life

Approx. 7.5 kg for easy transport

Wireless charging up to 15W

Built-in LED lighting up to 3W

Two AC outlets and four USB ports

AC, solar and vehicle charging

Technical Specifications

GF-P600 (A / B / C / D) | 481.6Wh LiFePO4 | 600W output

GENERAL	
Dimensions	275 x 240 x 190 mm
Net weight	Approx. 7.5 kg
Battery energy / rating	481.6Wh / 21.5Ah / 22.4V
Battery chemistry	LiFePO4 (LFP)
INPUT	
AC input	220-240V AC, 50/60Hz; charging: 400W max. Bypass + charging: 2.8A max.
DC / solar input	11.2-50V DC / 12A; 240W max. (MPPT)
Vehicle charging input	12-24V DC; 9.0A max.
OUTPUT	
AC outlets x 2	220-240V AC, 50/60Hz; 600W max. Sine wave output; bypass supported
USB-A1	5V/3A, 9V/3A, 12V/2A, 20V/1.4A 28W max.
USB-C1	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A 100W max.
USB-A2	5V/3A, 9V/2A, 12V/1.5A; 18W max.
USB-C2	5V/3A, 9V/3A, 12V/2.5A; 30W max.
Wireless charging	5W / 7.5W / 10W / 15W
DC5521 ports x 2	12V / 5A per port; 10A total
Vehicle socket	12V / 10A; 120W max.
LED lighting	3W max. (high-brightness mode)
Total AC + DC output	600W max.
OPERATING TEMPERATURE	
Discharging	-10 to 40 °C
Charging	0 to 40 °C

USB-A1 + USB-C1, or USB-A2 + USB-C2, used simultaneously: 5V / 3A.
DC5521 ports and vehicle socket share a total output current limit of 10A.

Data are based on the supplied laboratory specifications. Actual performance may vary with environmental conditions, operating methods and connected equipment.

Portable Power Station

Reliable power. Wherever you go.



1152Wh

Battery capacity

1200W

AC output

800W

Fast AC charging

LiFePO4 battery

10-year cycle-life design

400W solar input

Built-in MPPT charging

EPS backup

Transfer time <10ms

Pure sine wave

Stable AC power output

Parallel expansion

Support for capacity expansion

UL-certified cells

Automotive-grade LFP cells

Four ways to recharge



AC wall outlet

0-80%: approx. 1 hour
0-100%: approx. 1.5 hours



Vehicle socket

Approx. 13 hours
100W from a 12V vehicle



Solar panels

Approx. 3.5 hours
Up to 400W via MPPT



Petrol / diesel generator

0-80%: approx. 1 hour
0-100%: approx. 1.5 hours

Charging times are approximate and depend on the input source and conditions.

Technical Specifications

1152Wh LiFePO4 | 1200W pure sine wave output

GENERAL	
Dimensions	424 x 222 x 252 mm
Net weight	14.5 kg
Battery energy / rating	1152Wh / 45Ah / 25.6V
Battery chemistry	LiFePO4 (LFP)

INPUT	
AC input	200-240V AC, 50Hz; charging: 800W max. Charging + bypass: 10A max.
Solar input	12-60V DC / 12A; 400W max. (MPPT)
Vehicle charging input	12/24V DC; 8.5A max.

OUTPUT	
AC outlets x 3	220V AC, 50/60Hz; 1200W max.; pure sine wave
USB-A1	5V/3A, 9V/3A, 12V/2A, 20V/1.4A 28W max.
USB-C1	5V/3A, 9V/3A, 12V/2A, 15V/3A, 20V/5A 100W max.
USB-A2	5V/3A, 9V/2A, 12V/1.5A; 18W max.
USB-C2	5V/3A, 9V/3A, 12V/2.5A; 30W max.
Vehicle socket x 1	12V / 10A; 120W max.
DC5521 ports x 2	12V / 5A per port
Total output	1200W max.

USB-A1 + USB-C1, or USB-A2 + USB-C2, used simultaneously: 5V / 3.0A.
Vehicle socket + both DC5521 ports share a combined maximum output of 120W.

OPERATING TEMPERATURE	
Discharging	-10 to 40 °C
Charging	0 to 40 °C

CERTIFICATIONS / COMPLIANCE	
CE, TUV, FCC, CCC, UN38.3, MSDS, RoHS	

PV Cable Technical Datasheet

No.	Item	Specification	Unit	Parameter	Parameter
1	Cable Reference Type		/	PV1-F 1×4mm² DC1500V	PV1-F 1×6mm² DC1500V
2	Conductor	Material		Class 5,Tinned Copper	Class 5,Tinned Copper
		Numbers x Dia.	/mm	56/0.28 Approx.	84/0.28 Approx.
3	Insulation	Material	/	125° XLPO	125° XLPO
		T Min.thickness shall not be less than nominal thickness	mm	0.8	0.8
		Min.thickness	mm	0.62	0.62
4	Outer Sheath	Color	/	Black/Red	Black/Red
		T Nominal thickness	mm	0.8	1
		Min.thickness	mm	0.58	0.75
5	Cable Approx. OD		mm	5.7*12.2	6.8*14.4
6	Cable Min.Bending Radius		mm	15D D=OD	15D D=OD
7	Cable reference weight		kg/m	0.12 Reference	0.17 Reference
8	Max.DC Resistance of Conductor at 20℃		Ω/km	5.09	3.39
9	High Voltage Test		kV/min	6.5/5	6.5/5
10	Flame Retardant Grade			Grade C	Grade C

