



Shenzhen Jieyin New Energy Technology Industry Co., Ltd.

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Shenzhen Jieyin New Energy Technology Industry Co., Ltd.

- 
- 💡 **Innovation**
 - 🚀 **Efficiency**
 - 🏆 **Integrity**
 - 🤝 **Common profit**

ABOUT US //

Jieyin New Energy Technology Industry Co., Ltd. is a multiple solar solution provider located in Longgang, Shenzhen, China since 2019, and opened subsidiary in Thailand.

We closely follow the development of green technology, supply high-efficiency and green power products based on the development concept of independent innovation.

Our products include: Inverter Battery, Solar Charge Controller, Solar Inverter, Power Inverter, Solar Panel, Solar Accessories. Product safety certification including CCC, UL, VDE, CE, TUV, Environmental protection in line with: EU ROHS, EU REACH etc.. A number of product patents, so that customers can rest assured. Our products are popular in American, Europe, Africa, Southeast Asia market, with super cost-effective products, has won the unanimous approval of customers and good reputation, welcome to contact us to discuss cooperation!

CATALOGUE

01 Inverter Battery

Lithium Battery

Lithium Iron Phosphate Battery	P1-P2
Floor Standing Battery	P3-P5

02 Solar Charge Controller

MPPT Solar Charge Controller

EPEVER TRACER AN 10-100A Series	P6-P8
MPPT 80-100A	P9-P10

03 Solar Inverter

SOLAR INVERTER OUTPUT(120/240/208Vac)

Rating IP20 Offgrid 3-10KW	P11-P18
Rating IP65 Hybrid Ongrid 8-12KW	P19-P20

SOLAR INVERTER OUTPUT(220/230/240Vac; 380/400Vac)

Rating IP20 Offgrid 2-11KW	P21-P38
Rating IP65 Hybrid Ongrid 8-12KW	P39-P40

04 Power Inverter

Pure Sine Wave

150-600W Continuous Power	P41
1000-2000W Continuous Power	P42

Modified Sine Wave

100-600W Continuous Power	P43
---------------------------------	-----

05 Solar Accessories

MC4, PV Cables, Voltage and Current Protector	P44
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Lithium Iron Phosphate Battery

> Lithium Iron Phosphate Battery 12.8V/100AH

Battery Type	LiFePO4 102AH
Nominal Voltage	12.8VDC
Voltage Range	11-14.6V
Battery Storage Power	1280WH
Discharge Current	≥100A
Charge Current	≥50A
Output Power	≥1000W
Parallel Capability	10pcs
Communication Port	/
Battery Dimension	260*168*210 mm
Certification	MSDS/UN38.3
Battery Net Weight	10KG
UN 38.3 Box Packing Dimension	Confirm Before Shipment
Gross Weight KG	Confirm Before Shipment
Warranty	3 Years
Life Cycle	>3000 Times



> Lithium Iron Phosphate Battery 12.8V/142AH

Battery Type	LiFePO4 142AH
Nominal Voltage	12.8VDC
Voltage Range	11-14.6V
Battery Storage Power	1800WH
Discharge Current	≥150A
Charge Current	≥75A
Output Power	≥1500W
Parallel Capability	10pcs
Communication Port	/
Battery Dimension	330*173*215 mm
Certification	MSDS/UN38.3
Battery Net Weight	13KG
UN 38.3 Box Packing Dimension	Confirm Before Shipment
Gross Weight KG	Confirm Before Shipment
Warranty	3 Years
Life Cycle	>3000 Times



> Lithium Iron Phosphate Battery 25.6V/100AH

Battery Type	LiFePO4 102AH
Nominal Voltage	25.6VDC
Voltage Range	22-29.2V
Battery Storage Power	2560WH
Discharge Current	≥150A
Charge Current	≥75A
Output Power	≥2500W
Parallel Capability	10pcs
Communication Port	/
Battery Dimension	464*155*525 mm
Certification	MSDS/UN38.3
Battery Net Weight	19KG
UN 38.3 Box Packing Dimension	Confirm Before Shipment
Gross Weight KG	Confirm Before Shipment
Warranty	3 Years
Life Cycle	>3000 Times



Floor Standing Battery

> 25.6V/200AH (Metal Case Touch Screen,BMS)

Battery Type	LiFePO4 119AH
Nominal Voltage	25.6VDC
Voltage Range	22.4-28.8V
Battery Storage Power	6000WH
Cell Configuration	8S2P
Discharge Current	≥150A
Charge Current	≥75A
Output Power	≥5000W
Life Cycle	3000 @25°C
DOD	99%
Parallel Capability	10pcs
Communication Port	RS485/CAN
Battery Dimension	550*260*570mm
Certification	MSDS/UN38.3
Battery Net Weight	53KG
UN 38.3 Box Packing Dimension	Confirm Before Shipment
Gross Weight	56KG
Wooden Box Dimension	600*310*630mm
Warranty	3 Years
IP Rating	IP20
BMS Communication	YES

JY-LFP24200



RS485 Communication Protocol



> 51.2V/100AH (Metal Case Touch Screen,BMS)

Battery Type	LiFePO4 119AH
Nominal Voltage	51.2VDC
Voltage Range	43-58.4V
Battery Storage Power	6000WH
Cell Configuration	16S1P
Discharge Current	≥150A
Charge Current	≥75A
Output Power	≥5000W
Life Cycle	3000 @25°C
DOD	99%
Parallel Capability	10pcs
Communication Port	RS485/CAN
Battery Dimension	550*260*570mm
Certification	MSDS/UN38.3
Battery Net Weight	53KG
UN 38.3 Box Packing Dimension	Confirm Before Shipment
Gross Weight	56KG
Wooden Box Dimension	600*310*630mm
Warranty	3 Years
IP Rating	IP20
BMS Communication	YES

JY-LFP48100



> 51.2V/200AH (Metal Case Touch Screen,BMS)

Battery Type	LiFePO4 206AH
Nominal Voltage	51.2VDC
Voltage Range	43-58.4V
Battery Storage Power	10KWH
Cell Configuration	16S1P
Discharge Current	≥150A
Charge Current	≥75A
Output Power	≥7000W
Life Cycle	3000 @25°C
DOD	99%
Parallel Capability	10pcs
Communication Port	RS485/CAN
Battery Dimension	550*260*670mm
Certification	MSDS/UN38.3
Battery Net Weight	93KG
UN 38.3 Box Packing Dimension	Confirm Before Shipment
Gross Weight	96.3KG
Wooden Box Dimension	600*310*730mm
Warranty	3 Years
IP Rating	IP20
BMS Communication	YES

JY-LFP51200



> 51.2V/300AH (Metal Case Touch Screen,BMS)

Battery Type	LiFePO4 300AH
Nominal Voltage	51.2VDC
Voltage Range	43-58.4V
Battery Storage Power	15KWH
Cell Configuration	16S1P
Discharge Current	≥150A
Charge Current	≥75A
Output Power	≥10KW
Life Cycle	3000 @25°C
DOD	99%
Parallel Capability	10pcs
Communication Port	RS485/CAN
Battery Dimension	900*560*300mm
Certification	MSDS/UN38.3
Battery Net Weight	120KG
UN 38.3 Box Packing Dimension	Confirm Before Shipment
Gross Weight	132KG
Wooden Box Dimension	840*330*960mm
Warranty	3 Years
IP Rating	IP20
BMS Communication	YES

JY-LFP51300



02 Solar Charge Controller

MPPT Solar Charge Controller

Tracer 10-100A Series



Tracer Series Solar Charger



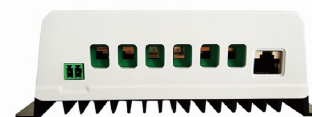
Tracer Series Solar Charger



Tracer Series Solar Charger 10-40A



Tracer Series Solar Charger 10-40A



Tracer Series Solar Charger Bottom



Tracer Series Solar Charger Packing

Technical specifications

Item	Tracer1206AN	Tracer2206AN	Tracer1210AN	Tracer2210AN	Tracer2210AN	Tracer4210AN
System nominal voltage			12/24VDC① Auto			
Rated charge current	10A	20A	10A	20A	30A	40A
Rated discharge current	10A	20A	10A	20A	30A	40A
Battery voltage range	8~32V					
Max. PV open circuit voltage	60V② 46V③		100V② 92V③			
MPP voltage range	(Battery voltage +2V)~36V		(Battery voltage +2V)~72V			
Max. PV input pow er	130W/12V 260W/24V	260W/12V 520W/24V	130W/12V 260W/24V	260W/12V 520W/24V	390W/12V 780W/24V	520W/12V 1040W/24V
Self-consumption	≤12mA					
Discharge circuit voltage drop	≤0.23V					
Temperature compensate coefficient	-3mV/°C/2V (Default)					
Grounding	Common negative					
RS485 interface	5VDC/200mA					
Working environment temperature	-25°C~+45°C(100% input and output)					
Storage temperature range	-20°C~+70°C					
Relative humidity	≤95%, N.C.					
Enclosure	IP30					

Item	Tracer1206AN Tracer1210AN	Tracer2206AN Tracer2210AN	Tracer3210AN	Tracer4210AN
Dimension	172x139 x 44mm	220x154x 52mm	228x164x55mm	252x180x63mm
Weight	0.57kg	0.94kg	1.26kg	1.65kg

- ①When a lithium battery is used, the system voltage can’ t be identified automatically.
- ②At minimum operating environment temperature
- ③At 25°C environment temperature

Technical specifications

Model	Tracer 6210AN	Tracer 5415AN	Tracer 6415AN	Tracer 8415AN	Tracer 10415AN	Tracer 5420AN	Tracer 6420AN	Tracer 8420AN	Tracer 10420AN
Nominal system voltage	12/24VDC/Auto	12/24/36/48VDC/Auto							
Battery type	Lead-acid(Sealed/Gel/Flooded)/Lithium(LiFePO ₄ /Li(NiCoMn)O ₂)/User								
Battery input voltage range	8V ~ 32V	8V ~ 68V	8V ~ 68V	8V ~ 68V	8V ~ 68V	8V ~ 68V	8V ~ 68V	8V ~ 68V	8V ~ 68V
Rated charge current	60A	50A	60A	80A	100A	50A	60A	80A	100A
Rated charge power	750W/12V 1500W/24V	625W/12V 1250W/24V 1875W/36V 2500W/48V	750W/12V 1500W/24V 2250W/36V 3000W/48V	1000W/12V 2000W/24V 3000W/36V 4000W/48V	1250W/12V 2500W/24V 3750W/36V 5000W/48V	625W/12V 1250W/24V 1875W/36V 2500W/48V	750W/12V 1500W/24V 2250W/36V 3000W/48V	1000W/12V 2000W/24V 3000W/36V 4000W/48V	1250W/12V 2500W/24V 3750W/36V 5000W/48V
Max. conversion efficiency	98.00%	98.30%	98.60%	98.50%	98.60%	98.30%	98.10%	98.50%	98.50%
Tracking efficiency	≥99.5%								
Max. PV open circuit voltage	100V(At minimum operating environment temperature) 92V(At 25°C environment temperature)	150V (At minimum operating environment temperature) 138V (At 25°C environment temperature)				200V (At minimum operating environment temperature) 180V(At 25°C environment temperature)			
MPP voltage range	(Battery Voltage+2V) ~ 72V	(Battery Voltage+2V) ~ 108V				(Battery Voltage+2V) ~ 144V			
Equalization voltage	Sealed:14.6V,Flooded:14.8V,User-defined:9-17V								
Boost voltage	Gel:14.2V,Sealed:14.4V,Flooded:14.6V,User-defined:9-17V								
Float voltage	Gel/Sealed/Flooded:13.8V,User-defined:9-17V								
Low voltage reconnect voltage	Gel/Sealed/Flooded:12.6V,User-defined:9-17V								
Low voltage disconnect voltage	Gel/Sealed/Flooded:11.1V,User-defined:9-17V								
Self-consumption	98mA/12V;60mA/24V;50mA/36V;46mA/48V								
Temperature compensation (for lead-acid battery)	-3mV/°C/2V(Default)								
Relative humidity	5% to 95% (N.C.)								
Enclosure	IP20								
Communication interface	RS485(5VDC/200mA,Two RJ45 ports in parallel)								
Grounding	Common negative								
Operating temperature range	-25°C ~ +60°C(derating above 45°C)								
Dimensions (L×W×H)(mm)	340×232×105.2	261×216×119	340×236×119	394×240×134	394×242×143	261×216×119	340×236×119	394×240×134	394×242×143
Net weight	3.5kg	3.5kg	4.5kg	6.1kg	7.4kg	3.5kg	4.5kg	6.1kg	7.4kg

1. The controller can't automatically identify system voltage if lithium batteries were connected.
2. The voltage point is for 12V system, please *2 in 24V system, *3 in 36V system, *4 in 48V system.

MPPT Solar Charge Controller

M4880F M48100F



Model Name	M4880F	M48100F
System Voltage	12/24/36/48V Auto(GEL/FLD/SEL/USE), Manual(Li/USE)	
Rated Charging Current	80A	100A
Parallel Capability	1-9PCS	
No Load Loss	10mA	
Max PV Open Circuit Voltage	150V	
Charging Mode	3 Stage: Constant Current(MPPT), Constant Voltage, Floating	
Max PV Input Power	12V/1200W 24V/2400W 36V/3600W 48V/4800W	12V/1500W 24V/3000W 36V/4500W 48V/6000W
Light Control Voltage	5V*n	
Light Control Delay Time	10s	
Max Conversion Efficiency	≥98.1%	
Communication Port	RS485	
Temperature Compensate Coefficient	-3mV/°C/2V	
Operation Altitude	≤3000m	
Bluetooth	Optional	
Cooling Method	(Fan+Heating Sink) double heat dissipation	
Temperature Terminal	Yes(Temperature Compensation+Ambient Temperature Detection)	
Protection	PV Over-Voltage, PV Reverse Protection, Battery Over-Charge,BatteryOver-Discharge, Battery Reverse Protection,ControllerOver-Heating, High Ambient Temperature	
Temperature Protection	80°C	
Fan-on Temperature	>45°C	
Fan-off Temperature	<40°C	
Working Environment Temperature	-25°C~+55°C	
IP Rating	IP32	
Dimension	260x200x93mm	
Net Weight	2.3KG	2.5KG

03 Solar Inverter

Offgrid-IP20 series

US Version

> HSI 3000U 5000U

3KW 24V 5KW 48V

Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Multiple charge and discharge modes are available

Safety

- 360 degrees of security from hardware to software
- Multiple safety approvals available

All-in-one

- Support for many types of batteries
- Supports Li-ion battery BMS communication

Reliable

- Outputs high-quality pure sine wave AC power
- Reliable output for long periods at rated power

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Support for remote monitoring of operating



Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODELS	HSI 3000U	HSI 5000U
INVERTER OUTPUT		
Rated Output Power	3,000W	5,000W
Max. Peak Power	6,000VA	11,000VA
Rated Output Voltage	Single Phase 120Vac(L/N/PE)	
Load Capacity of Motors	2HP	4HP
Rated AC Frequency	50/60Hz	
Waveform	Pure sine wave	
Switch Time	10ms (typical)	
BATTERY		
Battery Type	Li-ion/Lead-Acid / User Defined	
Rated Battery Voltage	24Vdc	48Vdc
Battery Voltage Range	20~33Vdc	40~60Vdc
Max. MPPT Charging Current	60A	80A
Max. Mains / Generator Charging Current	40A	
Max. Hybrid Charging Current	100A	80A
PV INPUT		
Num. of MPPT Trackers	1	
Max. PV Array Power	1600W	6000W
Max. Input Current	40A	22A
Max. Open Circuit Voltage	108Vdc	500Vdc
MPPT Voltage Range	30~90Vdc	120~450Vdc
UTILITY / GENERATOR INPUT		
Input Voltage Range	90~140Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max Inverter Efficiency	92%	
GENERAL		
Dimensions	378*280*103mm	426*322*126mm
Weight	6.8kg	11.6kg
Protection Degree	IP20, Indoor Use Only	
Operating Temperature Range	-10~55°C	
Noise	≤60dB	
Cooling Method	Fan Cooling	
Warranty	12 Months	
COMMUNICATION		
Embedded Interfaces	RS485 / USB / Dry contact	
External Modules (Optional)	Wi-Fi	
CERTIFICATION		
Safety	CE(IEC 62109-1) / CETL(UL 1741/ CSA C22.2 NO.107.1)	
EMC	EN61000, C2	
RoHS	Yes	

> SYP 5K-U

5KW 48V parallel model

Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 22A PV input current for high power PV module

Safety

- 360 degrees of security from hardware to software
- IEC safety approvals

All-in-one

- Up to 100A charging current

Reliable

- Outputs high-quality pure sine wave AC power
- Up to 6 units in parallel connection

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley



Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

Model Name	SYP 5K-U
INVERTER OUTPUT	
Rated Output Power	5,000W
Max. Peak Power	10,000VA
Rated Output Voltage	Single Phase 120Vac(L/N/PE)
Load Capacity of Motors	4HP
Rated AC Frequency	50/60Hz
Waveform	Pure sine wave
Switch Time	10ms (typical)
Parallel Capability	1-6PCS(Single/Split/ Three Phase)
BATTERY	
Battery Type	Li-ion/Lead-Acid / User Defined
Rated Battery Voltage	48Vdc
Battery Voltage Range	40~60Vdc
Max. MPPT Charging Current	100A
Max. Mains / Generator Charging Current	40A
Max. Hybrid Charging Current	100A
PV INPUT	
Num. of MPPT Trackers	1
Max. PV Array Power	5500W
Max. Input Current	22A
Max. Open Circuit Voltage	500Vdc
MPPT Voltage Range	120~450Vdc
UTILITY / GENERATOR INPUT	
Input Voltage Range	90~140Vac
Frequency Range	50/60Hz
Bypass Overload Current	63A
EFFICIENCY	
MPPT Tracking Efficiency	99.9%
Max Inverter Efficiency	92%
GENERAL	
Dimensions	446*350*133mm
Weight	14kg
Protection Degree	IP20, Indoor Use Only
Operating Temperature Range	-10~55°C
Noise	≤60dB
Cooling Method	Fan Cooling
Warranty	12 Months
COMMUNICATION	
Embedded Interfaces	RS485 / USB / Dry contact
External Modules (Optional)	Wi-Fi
CERTIFICATION	
Safety	CE(IEC62109-1)/FCC/UKCA
EMC	EN61000
RoHS	Yes

> SPI Series

8-10KW 48V

Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22+22A PV input current

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

All-in-one

- Up to 200A charging current
- Support Li-ion battery BMS communication

Reliable

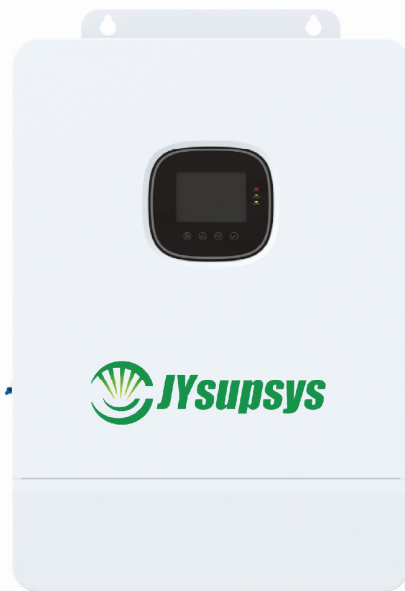
- Outputs high quality pure sine wave AC power
- Up to 10kW output power

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley



Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODELS	SPI-10K-U	SPI-8K-U
INVERTER OUTPUT		
Rated Output Power	10,000W	8,000W
Max. Peak Power	20,000VA	16,000VA
Rated Output Voltage	Single Phase 120Vac/ Split Phase 240Vac	
Load Capacity of Motors	6HP	5HP
Rated AC Frequency	50/60Hz	
Waveform	Pure sine wave	
Switch Time	10ms (typical)	
Parallel Capability	/	/
BATTERY		
Battery Type	Li-ion/Li-Ion / User Defined	
Rated Battery Voltage	48Vdc	
Battery Voltage Range	40~60Vdc	
Max. MPPT Charging Current	200A	180A
Max. Mains / Generator Charging Current	120A	100A
Max. Hybrid Charging Current	200A	180A
PV INPUT		
Num. of MPPT Trackers	2	
Max. PV Array Power	5,500W+5,500W	
Max. Input Current	22A+22A	
Max. Open Circuit Voltage	500Vdc+500Vdc	
MPPT Voltage Range	120~425Vdc	
UTILITY / GENERATOR INPUT		
Input Voltage Range	90~140Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max Inverter Efficiency	92%	
GENERAL		
Dimensions	620*445*130mm	
Weight	27kg	
Protection Degree	IP20, indoor only	
Operating Temperature Range	-10~55°C, >45°C derated	
Noise	≤60dB	
Cooling Method	Fan Cooling	
Warranty	12 Months	
COMMUNICATION		
Embedded Interfaces	RS485 / USB / Dry contact	
External Modules (Optional)	Wi-Fi	
CERTIFICATION		
Safety	IEC62109-1, IEC62109-2, UL1741	
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B	
RoHS	Yes	

> SPI Series

8-10KW 48V parallel model

Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22+22A PV input current

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

All-in-one

- Up to 200A charging current
- Support Li-ion battery BMS communication

Reliable

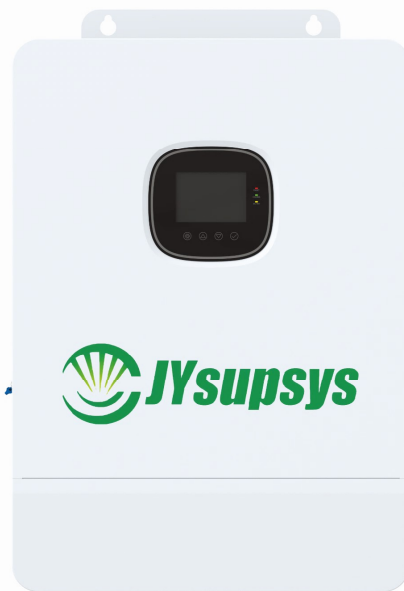
- Outputs high quality pure sine wave AC power
- Up to 6 units in parallel connection

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley



Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODELS	SPI-10K-UP	SPI-8K-UP
INVERTER OUTPUT		
Rated Output Power	8,000W	5,000W
Max. Peak Power	16,000VA	10,000VA
Rated Output Voltage	Single Phase 120Vac/ Split Phase 240Vac	
Load Capacity of Motors	6HP	5HP
Rated AC Frequency	50/60Hz	
Waveform	Pure sine wave	
Switch Time	10ms (typical)	
Parallel Capability	1-6PCS(Single/Split/ Three Phase)	
BATTERY		
Battery Type	Li-ion/Li-Ion/Lead-Acid / User Defined	
Rated Battery Voltage	48Vdc	
Battery Voltage Range	40~60Vdc	
Max. MPPT Charging Current	200A	180A
Max. Mains / Generator Charging Current	120A	100A
Max. Hybrid Charging Current	200A	180A
PV INPUT		
Num. of MPPT Trackers	2	
Max. PV Array Power	5,500W+5,500W	
Max. Input Current	22A+22A	
Max. Open Circuit Voltage	500Vdc+500Vdc	
MPPT Voltage Range	120~425Vdc	
UTILITY / GENERATOR INPUT		
Input Voltage Range	90~140Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max Inverter Efficiency	92%	
GENERAL		
Dimensions	620*445*130mm	
Weight	27kg	
Protection Degree	IP20, Indoor Use Only	
Operating Temperature Range	-10~55°C, >45°C derated	
Noise	≤60dB	
Cooling Method	Fan Cooling	
Warranty	12 Months	
COMMUNICATION		
Embedded Interfaces	RS485 / USB / Dry contact	
External Modules (Optional)	Wi-Fi	
CERTIFICATION		
Safety	IEC62109-1, IEC62109-2, UL1741	
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B	
RoHS	Yes	

Ongrid-IP65 series

US Version

> SEI Series

8-12KW 48V

Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 22A*2 PV input current

Safety

- With software and hardware security protection
- Multiple safety approvals

All-in-one

- Up to 200A charging current
- Support Li-ion battery BMS communication

Reliable

- Output high-quality pure sine wave AC power
- With IP65 protection degree

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley



Application scenario



Home



Farm



Telecom



Countryside



Island



Pasture

MODELS	SEI-8K-UP	SEI-10K-UP	SEI-12K-UP
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	12,000W
Max. Peak Power	17,600VA	20,000VA	24,000VA
Rated Output Voltage	Single Phase 120Vac/ Split Phase 240Vac 3 Phase 208V when in Parallel		
Load Capacity of Motors	5HP	6HP	5HP
Rated AC Frequency	50/60Hz		
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
Parallel Capability	1-6PCS(Single/Split/ Three Phase)		
BATTERY			
Battery Type	Li-ion/Lead-Acid / User Defined		
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40~60Vdc		
Max. MPPT Charging Current	200A		
Max. Mains / Generator Charging Current	120A		
Max. Hybrid Charging Current	60A		
Max Hybrid Charging Current	200A		
PV INPUT			
Num. of MPPT Trackers	2		
Max. PV Array Power	5,500W+5,500W	6,600W+6,600W	
Max. Input Current	25A+25A		
Max. Open Circuit Voltage	500Vdc+500Vdc		
MPPT Voltage Range	120~425Vdc		
UTILITY / GENERATOR INPUT			
Input Voltage Range	90~140Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max Inverter Efficiency	98%		
CEC Efficiency	96.5%		
GENERAL			
Dimensions	750*440*240mm		
Weight	42kg		
Protection Degree	IP65		
Operating Temperature Range	-25~60℃,>45℃ derated		
Noise	≤60dB		
Cooling Method	Heat Sink+Fan Cooling		
Warranty	5 Years		
COMMUNICATION			
Embedded Interfaces	RS485/USB/CAN/Dry Contact		
External Modules (Optional)	Wi-Fi		
CERTIFICATION			
Safety	UL1741&IEEE1547.1-2020,CEC, RULE 21, HECO		
EMC	FCC 15 Class B		
RoHS	Yes		

Offgrid-IP20 series

EU Version

➤ SP SERIES

2.2-7KW Solar Inverter

WIFI(optional)



Features

- Pure sine wave inverter
- Programmable supply priority for PV , battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A(3.6KW&6.2KW) MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload,high temperature,inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh enviromen(optional)
- WIFI&GPRS available for IOS and android

Overview

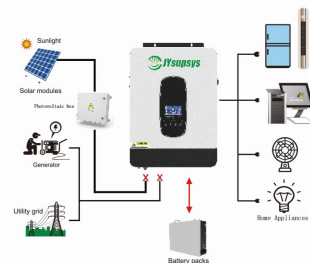
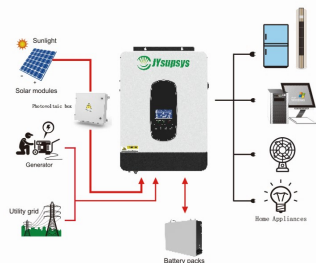


SP-2200
SP-3200



SP-4000
SP-7000

Solar System Connection



MODELS	SP 2200	SP 3200
INVERTER OUTPUT		
Rated Output Power	2200VA/1800W	3200VA/3000W
Max. Peak Power	4,400VA	6,400VA
Rated Output Voltage	Single Phase 230Vac	
Rated AC Frequency	50/60Hz	
Waveform	Pure sine wave	
Switch Time	10ms(for personal computer), 20ms(for home appliances)	
BATTERY		
Battery Type	Li-ion/Lead-Acid / User Defined	
Rated Battery Voltage	12Vdc	24Vdc
Floating Charge Voltage	13.5Vdc	27Vdc
Over Charge Protection	15.5Vdc	31Vdc
Max. MPPT Charging Current	60A	60A
Max. Mains / Generator Charging Current	60A	
Max. Hybrid Charging Current	80A	80A
PV INPUT		
Num. of MPPT Trackers	1	
Max. PV Array Power	2,000W	3,000W
Open Circuit Voltage	450Vdc	
MPPT Voltage Range	55-430Vdc	
UTILITY / GENERATOR INPUT		
Input Voltage Range	90~280Vac or 170~280Vac	
Frequency Range	50/60Hz	
EFFICIENCY		
Max Inverter Efficiency	98%	
GENERAL		
Dimensions	405X286X98mm	423X290X100mm
Net Weight	5kg	5kg
Protection Degree	IP20, Indoor Use Only	
Operating Temperature Range	-10~55°C	
Noise	≤60dB	
Cooling Method	Fan Cooling	
Warranty	12 Months	
COMMUNICATION		
Embedded Interfaces	RS485/RS232	
External Modules (Optional)	Wi-Fi	
CERTIFICATION		
Safety	IEC62109-1, IEC62109-2	
EMC	EN61000	

➤ MPS-VIII ECO Series

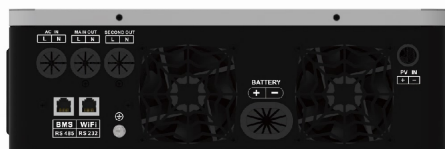
4.2kw 6.2kw Solar Inverter

Features

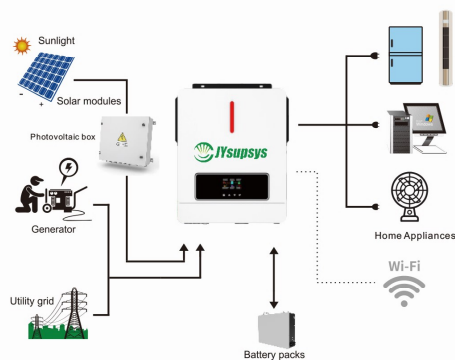
- Pure sine wave solar inverter(on/off Grid)
- WIFI&GPRS available for IOS and Android
- Inverter running without battery
- One-key restoration to factory settings
- Built-in lithium battery automatic activation
- Built-in 120A(for 3.6KW/4.2KW/ 6.2KW)
- MPPT:max 6200W(for 3.6KW),max 6200W(for 4.2KW)
max 6500W(for 6.2KW)solar charge
- High PV input voltage range(60~450VDC)
- Built-in anti-dusk kit for harsh enviroment
- Smart battery charge design to optimize battery life
- Dual output



Overview



Solar System Connection



MODELS	MPS-VIII ECO 4.2KW		MPS-VIII ECO 6.2KW	
INVERTER OUTPUT				
Rated Output Power	4200W		6200W	
Max. Peak Power	8400VA		10000VA	
Rated Output Voltage	Single Phase 230Vac			
Rated AC Frequency	50/60Hz			
Waveform	Pure sine wave			
Switch Time	10ms(for personal computer), 20ms(for home appliances)			
BATTERY				
Battery Type	Li-ion/Lead-Acid / User Defined			
Rated Battery Voltage	24Vdc		48Vdc	
Floating Charge Voltage	27Vdc		54Vdc	
Over Charge Protection	31Vdc		61Vdc	
Max. MPPT Charging Current	100A		100A	
Max Mains/Generator Charging Current	40A		50A	
Max. Hybrid Charging Current	120A			
PV INPUT				
Num. of MPPT Trackers	1			
Max. PV Array Power	6200W		6500W	
Open Circuit Voltage	500Vdc			
MPPT Voltage Range	90-450Vdc			
UTILITY / GENERATOR INPUT				
Input Voltage Range	90~280Vac or 170~280Vac			
Frequency Range	50/60Hz			
EFFICIENCY				
Max Inverter Efficiency	98%			
GENERAL				
Dimensions	405X286X98mm		423X290X100mm	
Net Weight	10.5kg		11kg	
Protection Degree	IP20, Indoor Use Only			
Operating Temperature Range	-10~55℃			
Noise	≤60dB			
Cooling Method	Fan Cooling			
Warranty	12 Months			
COMMUNICATION				
Embedded Interfaces	RS485/RS232			
External Modules (Optional)	Wi-Fi			
CERTIFICATION				
Safety	IEC62109-1, IEC62109-2			
EMC	EN61000			



➤ MPS-HP SERIES

5.5KW 48V parallel Inverter

WiFi(optional)



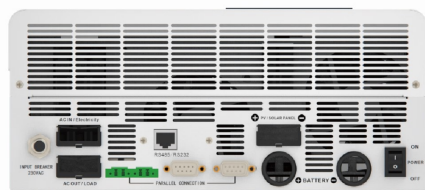
LCD remote control(optional)



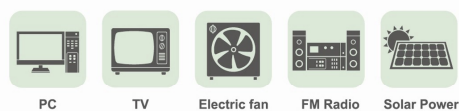
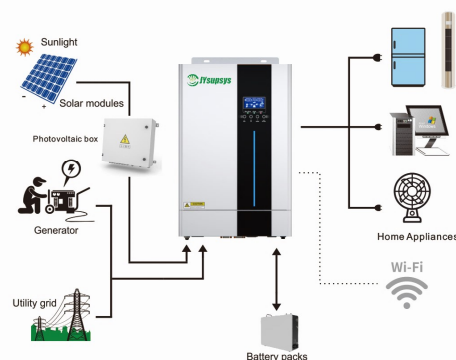
Features

- Pure sine wave output
- Output power factor 1.0
- Programmable supply priority for PV ,battery or Grid
- User-adjustable charge current and voltage
- Wide PV input range (120Vdc -500Vdc),110A MPPT SCC
- Working without batteries in sunny day
- WiFi Monitoring Function (optional)
- Anti-dusk kit for harsh environment(optional)
- LCD remote control with 5/10/20 meters wire(optional)
- PV and electricity complementary
- Use with lithium batteries
- Parallel operation up to 6 units

Overview



Solar System Connection

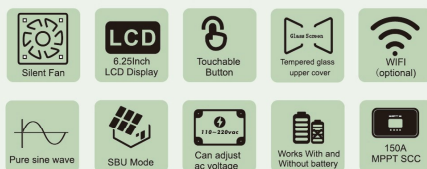
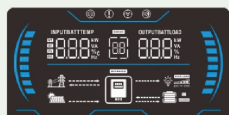


Model Name	MPS-5500HP
INVERTER OUTPUT	
Rated Output Power	5500W
Max. Peak Power	11,000VA
Rated Output Voltage	Single Phase 230Vac
Rated AC Frequency	50/60Hz
Waveform	Pure sine wave
Switch Time	10ms(for personal computer), 20ms(for home appliances)
Parallel Capability	1-6PCS
BATTERY	
Battery Type	Li-ion/Lead-Acid / User Defined
Rated Battery Voltage	48Vdc
Floating Charge Voltage	54Vdc
Over Charge Protection	61Vdc
Max MPPT Charging Current	80A
Max Mains/Generator Charging Current	80A
Max. Hybrid Charging Current	110A
PV INPUT	
Num. of MPPT Trackers	1
Max. PV Array Power	6000W
Max. Input Current	27A
Max. Open Circuit Voltage	500Vdc
MPPT Voltage Range	120~500Vdc
UTILITY / GENERATOR INPUT	
Input Voltage Range	90~280Vac or 170~280Vac
Frequency Range	50/60Hz
EFFICIENCY	
Max Inverter Efficiency	98%
GENERAL	
Dimensions	472X298X129mm
Weight	10.5kg
Protection Degree	IP20, Indoor Use Only
Operating Temperature Range	-10~55°C
Noise	≤60dB
Cooling Method	Fan Cooling
Warranty	12 Months
COMMUNICATION	
Embedded Interfaces	RS485/RS232
External Modules (Optional)	Wi-Fi
CERTIFICATION	
Safety	IEC62109-1, IEC62109-2
EMC	EN61000

➤ ON/OFF GRID SOLAR INVERTER

MPS-VX Series

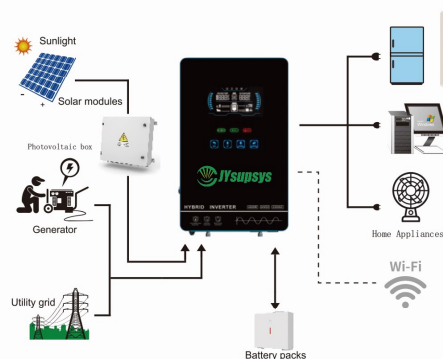
LCD remote control(optional)



Features

- On/Off Grid Solar Inverter
- Working without batteries in sunny day
- Under Battery Mode can adjust ac voltage to 110vac or 220vac
- SBU Mode : Utility Power ,battery and PV Power complement each other
- Pure sine wave solar inverter
- Unique glass top cover design with 6.25inch LCD display and touchable buttons
- Built-in 150A MPPT (Max PV 8000W) solar charger
- High PV input range from 55V-450Vdc
- Smart battery charger design for optimized battery performance
- Configurable AC/Battery input priority via LCD setting
- Auto restart while PV is recovering
- Over-load , over temperature and output short circuit protection
- Cold restart function
- Built-in lithium battery automatic activation
- Communication with RS232/RS485
- WiFi monitoring function (optional)
- Anti-dust kit for harsh environment(optional)
- Restore default Settings with one click

Solar System Connection

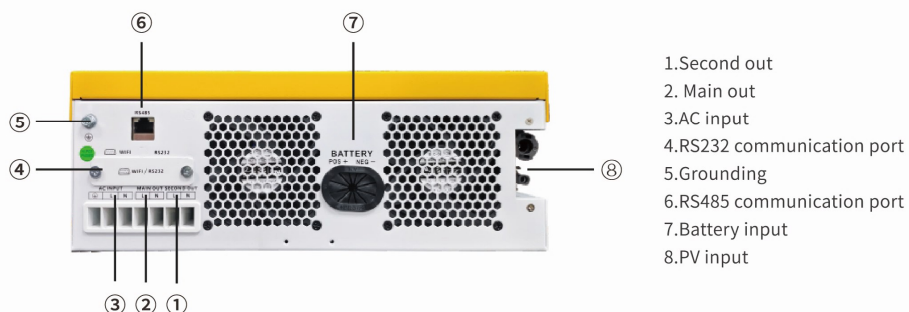
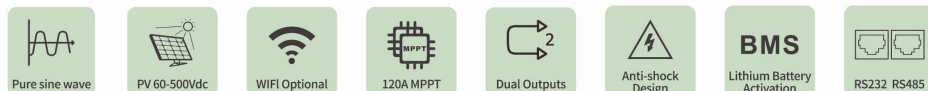


MODELS	MPS-VX-4.5KW-24V	MPS-VX-6.5KW-48V
INVERTER OUTPUT		
Rated Output Power	4500W	6500W
Max. Peak Power	4,400VA	6,400VA
Rated Output Voltage	Single Phase 230Vac	
Rated AC Frequency	50/60Hz	
Waveform	Pure sine wave	
Switch Time	10ms(Typical)	
Parallel Capability	/	
BATTERY		
Battery Type	Li-ion/Lead-Acid / User Defined	
Rated Battery Voltage	24Vdc	48Vdc
Floating Charge Voltage	27.6Vdc	54Vdc
Over Charge Protection	32Vdc	63Vdc
Bulk Charging Voltage(Flooded Battery)	29.2Vdc	58.4Vdc
Bulk Charging Voltage(AGM/GEL Battery)	28.2Vdc	56.4Vdc
Max MPPT Charging Current	150A	130A
Max Mains Charging Current	140A	110A
Max Hybrid Charging Current	150A	150A
PV INPUT		
Num. of MPPT Trackers	1	
Max. PV Array Power	7200W	
Max PV Input Current	20A	
Open Circuit Voltage	450Vdc	
MPPT Voltage Range	55-450Vdc	
UTILITY / GENERATOR INPUT		
Input Voltage Range	90~280Vac or 170~280Vac	
Frequency Range	50/60Hz	
EFFICIENCY		
Max Inverter Efficiency	98%	
GENERAL		
Dimensions	400*250*89mm	
Net Weight	7.5kg	8.5kg
Protection Degree	IP20, Indoor Use Only	
Operating Temperature Range	-25~60°C,>45°C derated	
Noise	≤60dB	
Cooling Method	Fan Cooling	
Warranty	12 Months	
COMMUNICATION		
Embedded Interfaces	RS485/RS232	
External Modules (Optional)	Wifi/Remote LCD	
CERTIFICATION		
Safety	CE	

➤ EM-TSeries 6.2KW PV60-500Vdc 6.2KW 48V dual MPPT

Features

- Dual output for smart load management
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- PV Input 500Vdc Max
- Built-in MPPT120A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority:UTL,SOL,SBU,SUB
- EQ function to optimize battery performance and extend lifecycle

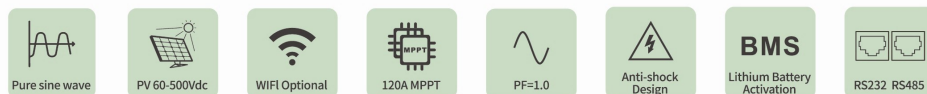


Model Name	EM6200T-48L
INVERTER OUTPUT	
Rated Output Power	6200W
Max. Peak Power	12,400VA
Rated Output Voltage	Single Phase 230Vac
Rated AC Frequency	50/60Hz
Waveform	Pure sine wave
Switch Time	10ms (typical)
Parallel Capability	/
Output Type	Dual Output
BATTERY	
Battery Type	Li-ion/Lead-Acid / User Defined
Rated Battery Voltage	48Vdc
Floating Charge Voltage	54Vdc
Over Charge Protection	63Vdc
Max MPPT Charging Current	120A
Max Mains/Generator Charging Current	80A
Max. Hybrid Charging Current	120A
PV INPUT	
Num. of MPPT Trackers	1
Max. PV Array Power	6500W
Max. Input Current	27A
Max. Open Circuit Voltage	500Vdc
MPPT Voltage Range	60~500Vdc
UTILITY / GENERATOR INPUT	
Input Voltage Range	90~280Vac or 170~280Vac
Frequency Range	50/60Hz
EFFICIENCY	
Max Inverter Efficiency	94%
GENERAL	
Dimensions	438X312X122mm
Weight	11kg
Protection Degree	IP20, Indoor Use Only
Operating Temperature Range	-10~55°C
Noise	≤60dB
Cooling Method	Fan Cooling
Warranty	12 Months
COMMUNICATION	
Embedded Interfaces	RS485(RJ45)/RS232(DB9)
External Modules (Optional)	Wi-Fi
CERTIFICATION	
Safety	IEC62109-1, IEC62109-2
EMC	EN61000

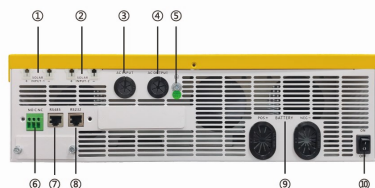
➤ EM Series [PV 60-500Vdc] 8.5/11KW 220V/230Vac Output

Features

- Built-in 2 MPPT
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- Pure Sine Wave
- Power factor 1.0
- PV Input 500Vdc Max
- Built-in MPPT140A/160A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: UTL, SOL, SBU, SUB
- EQ function to optimize battery performance and extend lifecycle

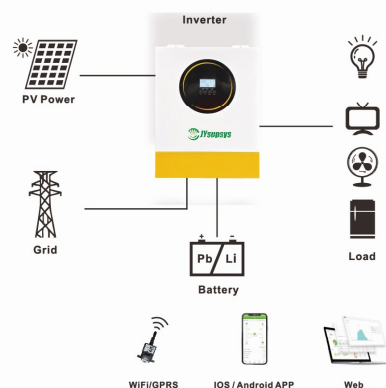


Bottom View



1. Solar input-1
2. Solar input-2
3. AC input
4. AC output
5. Grounding
6. Dry contact
7. RS485 communication port
8. RS232 communication port
9. Battery input
10. Power on /off switch

System Diagram



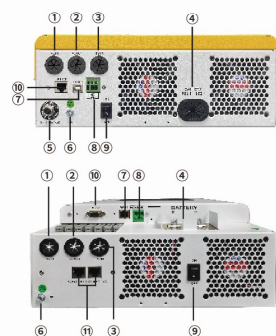
MODELS	EM8500T-48L		EM11000T-48L	
INVERTER OUTPUT				
Rated Output Power	8500W		11000W	
Max. Peak Power	17000VA		22000VA	
Rated Output Voltage	Single Phase 230Vac			
Rated AC Frequency	50/60Hz			
Waveform	Pure sine wave			
Switch Time	10ms(Typical)			
Parallel Capability	/			
BATTERY				
Battery Type	Li-ion/Lead-Acid / User Defined			
Rated Battery Voltage	48dc			
Floating Charge Voltage	54Vdc			
Over Charge Protection	63Vdc			
Max. MPPT Charging Current	1400A		160A	
Max. Mains / Generator Charging Current	120A		120A	
Max. Hybrid Charging Current	140A		160A	
PV INPUT				
Num. of MPPT Trackers	2			
Max. PV Array Power	5000W+5000W		5500W+5500W	
Open Circuit Voltage	18A*2		18A*2	
Open Circuit Voltage	55-430Vdc			
MPPT Voltage Range	60-500Vdc			
UTILITY / GENERATOR INPUT				
Input Voltage Range	90~280Vac or 170~280Vac			
Frequency Range	50/60Hz			
EFFICIENCY				
Max Inverter Efficiency	94%			
GENERAL				
Dimensions	540X415X122mm			
Net Weight	14kg		15kg	
Protection Degree	IP20, Indoor Use Only			
Operating Temperature Range	-10~55°C			
Noise	≤60dB			
Cooling Method	Fan Cooling			
Warranty	12 Months			
COMMUNICATION				
Embedded Interfaces	RS485/RS232			
External Modules (Optional)	Wi-Fi			
CERTIFICATION				
Safety	R5485/RS232/Dry Contact			
EMC	EN61000			

➤ ON/OFF GRID HYBRID INVERTER

GM Series 5.5/6.2KW PV60-500Vdc

Features

- Self-consumption and Feed-in to the grid
- Programmable multiple operation modes:
Grid-tie , off-grid and grid-tie with backup
- Backflow prevention via external CT sensor and grid connection function
- Parallel operation up to 12 units in 1phase or 3phase
- Direct Plug WIFI Dongle Supported
- Output power factor 1.0
- High PV input voltage range 500Vdc Max
- Built-in MPPT solar controller 100/120A
- WiFi remote monitoring optional
- Detachable dust cover for harsh environment
- User-adjustable charging current and voltage
- Programmable supply priority for PV , Battery or Grid
- Support multiple output priority:SBU/SUB/SUF/ZEC
- EQ function to optimize battery performance and extend lifecycle



GM5500 - 48PL

GM6200 - 48PL

- 1.AC input
- 2.AC output
- 3.PV input
- 4.Batteryinput
- 5.Circuit breaker
- 6.Grounding
- 7.RS485 communication port
- 8.AC grid current sensor
- 9.Power on/off switch
- 10.RS232 communication port
- 11.Paralelcommunication port

MODELS	GM5500-48PL	GM6200-48PL
INVERTER OUTPUT		
Rated Output Power	5500W	6200W
Rated Output Voltage	Single Phase 230Vac/Three Phase 380Vac	
Rated AC Frequency	50/60Hz	
Waveform	Pure sine wave	
Switch Time	10ms(Typical)	
Parallel Capability	1-12PCS(Single/Three Phase)	
BATTERY		
Battery Type	Li-ion/Lead-Acid / User Defined	
Rated Battery Voltage	48dc	
Voltage Range	40-60Vdc	
Max. MPPT Charging Current	100A	120A
Max. Mains / Generator Charging Current	80A	80A
Max. Hybrid Charging Current	100A	120A
PV INPUT		
Num. of MPPT Trackers	1	
Max. PV Array Power	5500W	6200W
Open Circuit Voltage	18A	27A
Open Circuit Voltage	500Vdc	500Vdc
MPPT Voltage Range	60~500Vdc	
UTILITY / GENERATOR INPUT		
Input Voltage Range	90~280Vac or 170~280Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	40A	
EFFICIENCY		
Max Inverter Efficiency	94%	
GENERAL		
Dimensions	448*315*122mm	450*300*130mm
Net Weight	16kg	17kg
Protection Degree	IP20, Indoor Use Only	
Operating Temperature Range	-25~60°C,>45°C derated	
Noise	≤60dB	
Cooling Method	Fan Cooling	
Warranty	12 Months	
COMMUNICATION		
Embedded Interfaces	RS485/USB/External CT Port	
External Modules (Optional)	Wi-Fi	
CERTIFICATION		
Safety	CE	



CT Sensor



Feed-in to the Grid



Parallel 12 units



No Battery Mode



RS232 / RS485



PF=1.0



Pure sine wave



WiFi

► Victor Max Series

8.2-10.2KW 48V Dual Output



Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 160A MPPT solar charger (for 8.2kw,10.2kw)
- Dual communication ports for Battery communication and Wifi communication
- High PV input voltage range(90~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Dual PV input
- Touch button
- On Off Grid Work Mode

MODELS	Max-8.2KW	Max-10.2KW
INVERTER OUTPUT		
Rated Output Power	8200W	10200W
Rated Output Voltage	Single Phase 230Vac	
Rated AC Frequency	50/60Hz	
Waveform	Pure sine wave	
Switch Time	10ms(Typical)	
Parallel Capability	/	
BATTERY		
Battery Type	Li-ion/Lead-Acid / User Defined	
Rated Battery Voltage	48dc	
Voltage Range	40-60Vdc	
Max. MPPT Charging Current	160A	
Max. Mains / Generator Charging Current	140A	
Max. Hybrid Charging Current	160A	
PV INPUT		
Num. of MPPT Trackers	2	
Max. PV Array Power	5400W+5400W	
Open Circuit Voltage	18A*2	
Open Circuit Voltage	500Vdc+500Vdc	
MPPT Voltage Range	90-450Vdc	
UTILITY / GENERATOR INPUT		
Input Voltage Range	90~280Vac or 170~280Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
Max Inverter Efficiency	98%	
GENERAL		
Dimensions	530*390*130mm	618*463*205mm
Net Weight	16kg	17kg
Protection Degree	IP20, Indoor Use Only	
Operating Temperature Range	-25~60°C,>45°C derated	
Noise	≤60dB	
Cooling Method	Fan Cooling	
Warranty	12 Months	
COMMUNICATION		
Embedded Interfaces	RS485/RS232	
External Modules (Optional)	Wi-Fi	
CERTIFICATION		
Safety	CE	

Ongrid-IP65+IP20

EU Version

> Solar storage inverter

8-12KW 48V 3

Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22+22A PV input current

Safety

- Comprehensive security from hardware to software
- Multiple safety certifications

All-in-one

- Up to 260A charging current
- Support Li-ion battery BMS communication

Reliable

- Outputs high-quality pure sine wave AC power
- Up to 12kW load power for most household needs

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost



Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODELS	SPI-8K-H3	SPI-10K-H3	SPI-12K-H3
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	12,000W
Max. Peak Power	16,000VA	20,000VA	24,000VA
Rated Output Voltage	400Vac, Three Phase		
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
Parallel Capability	/		
BATTERY			
Battery Type	Li-ion/Lead-Acid / User Defined		
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40~60Vdc		
Max. MPPT Charging Current	180A	220A	260A
Max. Mains / Generator Charging Current	100A	120A	120A
Max Hybrid Charging Current	180A	220A	260A
PV INPUT			
Num. of MPPT Trackers	2		
Max. PV Array Power	6000W+6000W	7500W+7500W	9000W+9000W
Max. Input Current	22A+22A		
Max. Open Circuit Voltage	800Vdc+800Vdc		
MPPT Voltage Range	200~650Vdc		
UTILITY / GENERATOR INPUT			
Input Voltage Range	Phase Voltage 170-280V, Line Voltage 305-485V		
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max Inverter Efficiency	≥92%		
European Efficiency	97.2%	97.5%	97.5%
GENERAL			
Dimensions	620*445*130mm		
Weight	27kg		
Protection Degree	IP20, Indoor Use Only		
Operating Temperature Range	-10~55°C, >45°C derated		
Noise	≤60dB		
Cooling Method	Fan Cooling		
Warranty	12 Months		
COMMUNICATION			
Embedded Interfaces	RS485/USB/CAN/Dry Contact		
External Modules (Optional)	Wi-Fi		
CERTIFICATION			
Safety	IEC62109-1, IEC62109-2, UL1741		
EMC	EN61000-6-1, EN61000-6-3, FCC 15 Class B		
RoHS	Yes		

Solar storage inverter

8-12KW 48V IP65

Efficiency

- Advanced MMPT with up to 99.9% high efficiency
- Up to 22A*2 PV input current

Safety

- With software and hardware security protection
- Multiple safety approvals

All-in-one

- Up to 200A charging current
- Supports Li-ion battery BMS communication Reliable

Reliable

- Output high-quality pure sine wave AC power
- With IP65 protection degree

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley



Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODELS	SEI-8K-SP	SEI-10K-SP	SEI-12K-SP
INVERTER OUTPUT			
Rated Output Power	8,800W	10,000W	12,000W
Max. Peak Power	17,600VA	20,000VA	24,000VA
Rated Output Voltage	230/400Vac		
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
Parallel Capability	1-6PCS		
BATTERY			
Battery Type	Li-ion/Lead-Acid / User Defined		
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40~60Vdc		
Max. MPPT Charging Current	200A		
Max. Mains Charging Current	120A		
Max Generator Charging Current	60A		
Max Hybrid Charging Current	200A		
PV INPUT			
Num. of MPPT Trackers	2		
Max. PV Array Power	5500W+5500W	6000W+6000W	
Max. Input Current	22A+22A		
Max. Open Circuit Voltage	500Vdc+500Vdc		
MPPT Voltage Range	125~425Vdc		
UTILITY / GENERATOR INPUT			
Input Voltage Range	90-280Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max Inverter Efficiency	98%		
European Efficiency	97.0%		
GENERAL			
Dimensions	670*440*240mm		
Weight	37kg		
Protection Degree	IP65		
Operating Temperature Range	-25~60°C, >45°C derated		
Noise	≤60dB		
Cooling Method	Heat Sink+Fan Cooling		
Warranty	5 Years		
COMMUNICATION			
Embedded Interfaces	RS485/USB/CAN/Dry Contact		
External Modules (Optional)	Wi-Fi		
CERTIFICATION			
Safety	IEC62109-1,IEC62109-2		
EMC	EN61000-6-1,EN61000-6-3, FCC 15 Class B		
RoHS	Yes		

04 Power Inverter

300W Pure Sine Wave Inverter



Model	JYP-300W-12V	JYP-300W-24V	JYP-300W-48V
Output Power	300W		
Peak Power	600W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.55A	≤0.3A	≤0.18A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Pure sine wave		
Display	/		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	89%	91%	93%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing/ restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		

Note: The tech updates constantly. These datas are used for reference only. Please refer to our real product.

2000W Pure Sine Wave Inverter



Model	JYP-2000W-12V	JYP-2000W-24V	JYP-2000W-48V
Output Power	2000W		
Peak Power	40t00W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.9A	≤0.55A	≤0.3A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Pure sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	90%	92%	95%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing/ restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		

Note: The tech updates constantly. These datas are used for reference only. Please refer to our real product.

500W Modified Sine Wave Inverter



Model	JYM-500W-12V	JYM-500W-24V	JYM-500W-48V
Output Power	500W		
Peak Power	1000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.5A	≤0.3A	≤0.2A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	/		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing/ restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		

Note: The tech updates constantly. These datas are used for reference only. Please refer to our real product.

05 Solar Accessory



TOVPD1-60EC



TOPV-32X



TOPV-30



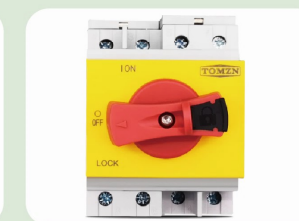
TZG40-PV



TOG40-C(20KA-40KA)



DC Isolator



Distribution Box Isolator



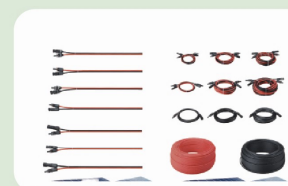
TOB7Z-63



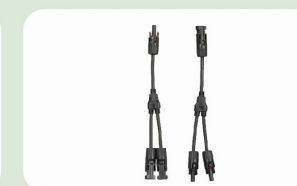
TOVPD3-100VAS



TOVPD3-63VAYA



MC4 Cables



MC4 Y Branch



MC4