

# NEW ENERGY NEW LIFE

PV PRODUCT MANUAL







# **FIND AGENT**



Start business with all over the world

#### SERVICE EVERYWHERE

Offer convenient service for all over the world

Tel:86-755-28219903



E-catalog 2024

Email:agent@powmr.com



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#### **COMPANY PROFILE**

Shenzhen Hehejin Industrial Co., Ltd. is a Global Solar Energy Innovative Application Company. Over the past 10 years, we have provided related products and services to more than 150 countries around the world, and committed to pushing solar products to more application fields and scenarios. We always maintain close cooperated relationship with the world's new energy leading companies and actively participate in the coordinated development of solar energy industry. We advocate new energy life, promote the development of new energy ecological technology and protect the natural environment, so as to achieve common progress between human beings and nature.



#### **CORE VALUE**

As we know, Solar energy is a kind of environmental protection, safety, pollution-free new energy. Not only is it pollution-free, it's far cleaner than conventional energy, it's not dangerous as well. So based on this concept, PowMr slogan was born: New Energy New Life!

We aim to develop smaller, smarter and more stable products. All our efforts are to provide customers with more perfect services, and let customers have better senses of experience. We hope to make customers could buy everywhere as well as get service everywhere.

### **COMPANY HISTORY**



Created the PowMr brand

Developing and designing solar controllers



Solar off-grid system selected matched by PowMr professional technical engineer.

smaller safer smarter



Core agent of EPEVER and Growatt

One of EPEVER'S largest distributors for three consecutive years



Research and development of inverter chargers and supporting lithium battery packs

Idea of PowMr everywhere...



Established HehejinIndustrial Led.China Major in Solar charge controller



Development of solar inverters and controllers

Designed and developed the 60A MPPT solar controller with the first sales volume in the whole markets

### **CERTIFICATE:CE ROHS FCC ETL EMC**



#### WHY POWMR

# 10

More than 10 years experience of solar related industry

### 150+

More than 2 million people in over 180 countries are using our products

5+

Over 5 oversea warehouse in the world and will build up more in next 3 years



30+

Cooperating with 30+ industry leading companies





#### CATALOG



Solar Controller



Solar Inverter



Inverter



Battery



Solar Panel

Accessories

# MINI Solar Controller

Waterproof IP57



- Offer OEM ODM service.
- Build-in industrial microcontroller.
- LED display, auto memory function.
- Fully 4-stage PWM charge management.
- Dual MOSFET reverse current protection, low heat.
- Protection Waterproof IP57.
- Open circuit protection.

		•	4-6V-S	3A-12V	/	3A-12V-S
Load work mode	Load working 24h	light co work a stop	vorking with ontrol: (Start ofter sunset, o working re sunrise)	Load working	g 24h	Load working with light+time control: (Start work only 8hs after sunset then stop work)
Rated charge current			3.	A		
Rated discharge current			3.	A		
Max PV input power	DC1	18W			DC3	36W
Nominal system voltage	6	$\vee$		12V		
Selectable battery types		Sealec	d lead acid, G	el, Flooded ba	attery	
Temperature range			-10°C	~40°C		
Dimensions			60x25x	(18mm		
Net weight			33	ßg		
Controller Model	5A-12V		5A-1	2V-S		5A-12V-ST
Load work mode	Load working 24	4hs	sunset, sto	ig with light rt work after op working sunrise.)	light- wo	ad working with Htime control: (Start ork only 8hs after Set then stop work)
Rated charge current	5A					
Rated discharge current	5A					
Max PV input voltage (VOC)		DC22V				
Nominal system voltage			12	V		
Selectable battery types	Sealed lead acid, Gel, Flooded battery					
Voltage drop of charging circuit	<0.2V					
Voltage drop of discharge circuit			<0.2	25V		
Equalization voltage			14.	8V		
Bulk charging voltage			14.	5V		
Boost charging voltage	14.2V					
Float charging voltage	13.8V					
Low voltage reconnect voltage	12.6V					
Low voltage disconnect voltage	11.2V					
Self-consumption	<10mA					
Temperature range	-35~+60 ℃					
Dimensions	60x25x18mm					
Net weight			50	g		

# MINI Solar Controller

Waterproof IP68



- Offer OEM ODM service.
- Build-in industrial microcontroller.
- LED display, auto memory function.
- Fully 4-stage PWM charge management.
- Dual MOSFET reverse current protection, low heat protection.
- Protection Waterproof IP68 Shortcircuit protection.
- Open circuit protection.
- Overload protection.

Controller Model	10A-12V	10A-12V-3S	10A-12V-4S
Load working mode		Load working 24h	
Rated charge current		10A	
Rated discharge current		10A	
Max PV input voltage		<50V	
Max PV input power		120W	
Nominal system voltage		12/24V	
Selectable battery types	Lead acid	LiCoMnNiO2 3 strings	LiFePO4 4 strings
Equalization voltage	14.4V	-	-
Boost voltage	14.2V	-	-
Float voltage	13.8V	12.6V	14.4V
Low voltage reconnect voltage	12.6V	10.5V	12.0V
Low voltage disconnect voltage	11.2V	9.0V	10.0V
Self-consumption	<10mA		
Temperature range	−20°C ~60°C		
Dimensions	82x45x21mm 82x58x21mm		
Net weight	120g	135g	150g

### MPPT Solar Controller

Boost Voltage charging



- Boost Voltage Charging Controller.
- Integrated charge presets, support lithium battery and lead-acid battery
- Compatible with 24V/36V/48V/60V/72V system voltage.
- 3-stage charge algorithm.
- Multiple built-in protections are incorporated to ensure safe and stable operation.
- Natural air cooling for silent operation.
- Built-in Lithium battery activation function.

Model	POW-Boost 10A		
PV Input			
PV Input Voltage	15~25V	25~48V	48~60V
PV Input Power	≤ 150W	≤ 250W	≤ 400W
System Voltage	24/36/48/60/72V	48/60/72V	60/72V
Charging Mode			
Charging technology		MPPT	
Charge Algorithm	3-Stage		
Self-consumption	<2W		
Nominal System Voltage	24\/36\/48\/60\/72\		
Battery Voltage Range	20~88∨		
Environment			
Operating Temperature Range	-35℃ ~+65℃		
Humidity Range	≤ 95%		
General Specification			
Protection Class	IP32		
Dimension	140*85*50mm		
Net weight	305g		

### MPPT Solar Controller

20A-40A



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- The efficiency of MPPT technology no less than 99.5%.
- Peak conversion efficiency up to 97%.
- Support lithium and lead acid battery types.
- Compatible with12V/24V system voltage.
- Communication supports peripheral connection such as PC.

INDIOCEAN

• Wide operation temperature -20~55°C suitable for various application.

Controller Model	POW-Keeper1220	POW-Keeper1230	POW-Keeper1240
Rated charging current	20A	30A	40A
System rated voltage		12/24V	
Voltage range of the battery		8~32V	
Max. open voltage of PV module	60V	75V	100∨
Battery type	User-defin	e, Sealed, Flooded, GE	L, LiFePO4
Equalized charging voltage		nce-fee lead acid batt Lead acid flooded batt	
Absorption charging voltage	Maintenance-fee lead acid battery 14 4V GEL: 14.2; Lead acid flooded battery: 14. 6V		
Floating charging voltage	Maintenance-fee lead acid battery GEL, Lead acid flooded battery: 13.8V		
Low voltage reconnection	Maintenance-fee lead acid battery GEL, Lead acid flooded battery: 12.6V		
Low voltage disconnection	Maintenance-fee lead acid battery GEL. Lead acid flooded battery: 10.8V		
Static loss	≤ 9.2mA 12V; ≤ 11.7mA 24V		
High voltage disconnection		16V (24V x 2)	
Duration of absorption charging		2 Hours	
Light control voltage	5V		
Charge loop voltage drop	≤ 0.29V		
LCD Temperature	-20° C~+70° C		
Operating Temperature	-20° C-+55° C (To run at full rated current continuously)		
Working humidity	≤ 95% No condensation		
Protection class	IP30		
Dimension	123*178*48mm 135*195*55mm 150*220*67mm		

## Pstar Series Solar Controller

30A/60A/80A Charging



- Compatible with lithium-ion and lead-acid battery.
- Compatible with12V/24V/36V/48V system voltage.
- A variety of protection functions to extend the battery life.
- Natural air cooling heat dissipation to silent operation.
- The LCD enables real-time monitoring and parameter configuration.
- Small size, light weight, easy and quick installation.
- 2 USB ports with output of 5V and 2A.



Controller Model	Pstar-30A	Pstar-60A	Pstar-80A
PV Input			
Max Open Voltage of PV Module		100V	
Max. Input Power:			
For 12V system	≤ 360W	≤ 720W	≤ 960W
For 24V system	≤ 720W	≤ 1440W	≤ 1920W
For 36V system	≤ 1080W	≤ 2160W	≤ 2880W
For 48V system	≤ 1440W	≤ 2880W	≤ 3840W
Charge Specification			
Charge Algorithm	3-Stages		
Battery Type	Lithium and Lead Acid Battery, support user define		
Nominal System Voltage		12V/24V/36V/48V	
Rated Charging Current	30A	60A	80A
Self-consumption		≤ 20mA	
Output Specification			
Rated Output Current	20A	35A	50A
USB Interface		5V/2A*2	
Environmental Specification			
Operating Temperature Range	-20°C ~+55°C		
Humidity Range	≤ 90%, Non-condensing		
General Specification			
Dimension	187x94x49mm	187x132x60mm	187x132x60mm
Net weight	0.49kg	0.77kg	0.79kg

#### MPPT Solar Controller

Bestsellers



- Intelligent Maximum Power Point Tracking technology.
- Suitable for sealed lead acid, vented, Gel, and Lithium battery types.
- Backlight LCD displays function.
- With exact fault reference code for fixing.
- Silent operation since cooling is via natural convection.
- Back panel aluminum design for heat sink.

Controller Model	POW-M60-PRO	
Charge specification		
Charging mode	MPPT	
Charging Algorithm	3-Stage	
Selectable battery type	Vented/ Sealed/ Gel/ NiCd/ Lithium battery, support user define	
System type	DC12V/24V/36V/48V	
Rated charging current	60A	
PV utilization	≤ 98%	
Input specification		
Max Open Voltage of PV Module	160V	
Max. Input Power:		
For 12V system	720W 20-80Vdc;	
For 24V system	1440W 37-105Vdc;	
For 36V system	2100W 50-160Vdc;	
For 48V system	2800W 72-160Vdc;	
Output specification		
Rated output current	6A	
Max. DC output current	8A	
Max. capacitive load capacity	10000µF	
General Specification		
Temperature protection	℃3°08	
Operating temperature	-35℃ ~45℃	
Humidity	≤ 95%, Non-condensing	
Acoustic noise	≤ 40dB	
Dimension	230x165x72mm	
Net weight	1.33kg	

# MPPT Solar Controller

New Arrival



- Supports connection to both lead-acid and lithium batteries.
- Compatible with 12V/24V/36V/48V system voltages.
- Segmented charging algorithm to enhance battery performance.
- Maximum MPPT charging current of up to 60A.
- MPP tracking efficiency of up to 99% and peak conversion efficiency of up to 98%.
- Large LCD display screen design.
- Built-in terminal blocks to save approximately 60% of installation time.
- Built-in lithium battery activation function to address lithium battery protection.



Controller Model	POW-M60-MAX	
Charge Specification		
Charging mode	MPPT	
Charging Algorithm	3-Stage	
Selectable battery type	Vented/ Sealed/ Gel/ NiCd/ Lithium battery, support user define	
System type	DC12V/24V/36V/48V Auto detect	
Rated charging current	60A	
PV utilization	≤ 98%	
Input Specification		
Max Open Voltage of PV Module	160V	
Max. Input Power:		
For 12V system	720W 20-80Vdc;	
For 24V system	1440W 37-105Vdc;	
For 36V system	2100W 50-160Vdc;	
For 48V system	2800W 72-160Vdc;	
Output Specification		
Rated output current	25A	
Max. DC output current	30A	
Max. capacitive load capacity	10000µF	
General Specification		
Temperature protection	0°08	
Operating temperature	-35℃ ~45℃	
Humidity	≤95%, Non-condensing	
Acoustic noise	≤ 40dB	
Dimension	230x165x72mm	
Net weight	1.45kg	

### MPPT Solar Controller

**New Arrival** 



- Integrated charging presets.
- Compatible with 12V/24V/36V/48V system voltages.
- 3-stage charging algorithm.
- Maximum power point tracking (MPPT) technology.
- High-efficiency charging.
- Supports up to 12 units in parallel.
- Built-in multiple electronic protections.
- External temperature probe configuration.
- Forced Air Cooling.

Model	HHJ60-PRO	
Solar Input Parameters		
Max. Solar Array Open-Circuit Voltage	160V	
Maximum Input Power:		
For 12V System	720W	
For 24V System	1440W	
For 36V System	2100W	
For 48V System	2800W	
Battery Charging Parameters		
Charging Technology	MPPT	
System Voltage	12V/24V/36V/48V (Auto detect)	
Charging Algorithm	3 stages	
Overcharge Protection Voltage	60V	
Charging Limit Current	61A	
Maximum Efficiency	≥ 98. 1%	
Solar Utilization Rate	≥ 99%	
Load Terminal Output		
Rated Output Current	6A	
Maximum DC Output Current	8A	
Protection		
Temperature Protection	75°C / 167 °F	
Fan Start Temperature	>45°C / 104 °F	
Fan Shutdown Temperature	<40°C / 95 °F	
General Specification		
Dimensions	215x130x85mm /8.46x5.12x3.35in	
Net Weight	12V/24V/36V/48V (Auto detect)	
Electromagnetic Compatibility	990g / 2.18lb	
Protection Level	IP21	
Operating Temperature	-20℃ ~ +55℃ / -4 °F ~ 131 °F	
Storage Temperature	-40°C ~ +75°C / −40 °F ~ 167 °F	

## HVM Solar Inverter

Max. 80A Charging



- Higher output power up to 3000W.
- 30~400 Vdc wide voltage range for photovoltaic access.
- Compatible with lithium-ion and lead-acid battery.
- Maximum charging current can reach 80Amp.
- Support remote monitoring over Wi-Fi and GPRS.
- Durable finish with high anti-corrosion.
- Built-in effective forced air cooling.
- No load automatic loss less than 35W.

Inverter Model	POW-HVM2H-12V-N	POW-HVM3.2H-24V-N	
AC Input			
Input Voltage Waveform	Sinusoidal (Utility or generator)		
Nominal Input Voltage	230	Vac	
Max AC Input Voltage	300	Vac	
Nominal Input Frequency	50/60Hz (Au	to detection)	
Efficiency	>95% (Rated R load,	battery full charged)	
Transfer Time	10ms typical (UPS); 20	ms typical (Appliances)	
AC Output (Buck-Up)			
Rated Output Power	2000VA/1600W	3200VA/3000W	
Output Voltage Regulation	230Vac±5%	Single phase	
Output Frequency	50Hz		
Peak Efficiency	94%		
Overload Protection	5s@ ≥ 150% load; 10s@100%~150%load		
Surge Capacity	2*rated power for 5 seconds		
No Load Power Consumption	<25W <35W		
Battery Specification			
Battery Type	Lithium and Lead Acid Battery, support user define		
System Voltage	12V 24V		
AC Charge & PV Charge Mode			
Charging Algorithm	3-St	ages	
Max AC Charging Current	60Amp (@V	'I/P=230Vac)	
Max. PV Array Power	2000W	3000W	
PV Array MPPT Voltage Range	30~40	00Vdc	
Max. PV Array Open Circuit Voltage	400Vdc		
Max Charging Current (AC+PV)	80Amp		
General Specification			
Operation Temperature Range	-10°C ~50°C		
Storage Temperature	−15°C ~60°C		
Dimension	357x273x95mm		
Net Weight	4.6kg	4.8kg	

# LVM Solar Inverter

110/120VAC



- 90~140Vac AC input voltage range.
- 120~500Vdc wide voltage range for PV access.
- Higher output power up to 5000W, output power factor of 1.0.
- Max. charging current up to 80A.
- The efficiency MPPT technology no less than 99.9%.
- Support WIFI/GPRS communication module.
- Compatible with 24/48V lithium-ion and lead-acid battery.
- Intelligent variable speed fan to efficiently dissipate heat.
- Automatically enters power saving mode.

Inverter Model	POW-LVM3K -24V-H	POW-LVM5K-48V-N	
AC Input			
Input Voltage Waveform	Sinusoidal (Utility or generator)		
Nominal Input Voltage	110/12	20Vac	
Input Voltage Range	90Vac~~	140Vac	
Nominal Input Frequency	50/60Hz (Aut	o detection)	
Efficiency	>95	5%	
Transfer Time	10ms t	ypical	
Max. Bypass Overload Current	40A	63A	
AC Output (Back-Up)			
Rated Output Power	3000VA/3000W	5000VA/5000W	
Output Voltage Regulation	120Vac Sin	gle phase	
Output Frequency	50Hz±0.3Hz;	60Hz±0.3Hz	
Efficiency	>92%	>90%	
Overload Protection	5s@>125% load; 10s@110%~125% load; 5mins@102%~110% load		
Surge Capacity	2*rated power for 5 seconds		
Enable Power Saving Mode	Load ≤ 50W		
Battery Specification			
Battery Type	Lithium and Lead Acid Battery, support user define		
System Voltage	24V 48V		
Charging Voltage Range	20~33Vdc 40~60Vdc		
AC Charge & PV Charge Mode			
Charging Algorithm	3-Sta	ages	
Max. AC Charging Current	40A	mp	
Max. PV Array Power	4000W	5500W	
PV Array MPPT Voltage Range	120~400Vdc	120~450Vdc	
Max. PV Array Open Circuit Voltage	450Vdc	500Vdc	
Max. PV Charging Current	80Amp		
General Specification			
Operation Temperature	−10°C ~55°C		
Storage Temperature	−25°C ~60°C		
	USB/RS485(WIFI/GPRS)/Dry node control		
Communication Interface			
Communication Interface Dimension	378x280x103mm	426x322x126mm	

## HVM Solar Inverter

Max. 120A Charging



- Higher output power up to 6200W.
- 90~500Vdc wide voltage range for photovoltaic access.
- On-grid and off-grid pure sine wave inverter.
- Compatible with lithium-ion and lead-acid battery.
- Maximum charging current can reach 120Amp.
- Support remote monitoring over Wi-Fi and GPRS.
- Double load output to ensure the load power supply is stable and safe.

Inverter Model	POW-HVM4.2M-24V-N	POW-HVM6.2M-48V-N		
AC Input				
Input Voltage Waveform	Sinusoidal (Utility or generator)			
Nominal Input Voltage	230	Vac		
Max AC Input Voltage	300	Vac		
Nominal Input Frequency	50/60Hz (Au	to detection)		
Efficiency	>95% (Rated R load,	battery full charged)		
Transfer Time	10ms typical (UPS); 20	ms typical (Appliances)		
AC Output (Buck-Up)				
Rated Output Power	4200W	6200W		
Output Voltage Regulation	230Vac±5% \$	Single phase		
Output Frequency	50	Hz		
Peak Efficiency	93	8%		
Battery Specification				
Battery Type	Lithium and Lead Acid Battery, support user define			
System Voltage	24V 48V			
AC Charge & PV Charge Mode	ge & PV Charge Mode			
Max AC Charging Current	100Amp (@\	/I/P=230Vac)		
Max. PV Array Power	6200W 6500W			
PV Array MPPT Voltage Range	60-450V	90-500V		
Max. PV Array Open Circuit Voltage	500	Vdc		
Max Charging Current (AC+PV)	120/	Amp		
AC Output (On-Grid)				
Nominal Output Voltage	220/230	/240Vac		
Feed-in Grid Voltage	195~2	53Vac		
Feed-in Grid Frequency	49~51±1Hz/59~61±1Hz			
Nominal Output Current	18.2A	26.9A		
General Specification				
Operation Temperature Range	-10°C ~50°C			
Dimension	110x334x423mm			
Net Weight	9.5kg	10kg		

### HVM Solar Inverter

Max. 150A Charging

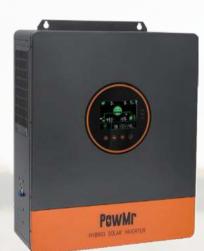


- 55~450Vdc wide voltage range for PV access.
- Built-in 150A MPPT (Max. PV) solar charger.
- Anti-dusk kit for harsh environment. (Optional).
- Built-in lithium battery automatic activation.
- Unique glass top cover design.
- Compatible with 24V/48V lithium-ion and lead-acid battery.
- Higher output power up 4500W/6500W, output power factor of 1.0.
- No derating when the AC input Voltage is greater than 170V.
- Max. solar charging efficiency up to 98%.

Inverter Model	POW-HVM4.5K-24V	POW-HVM6.5K-48V	
AC Input			
Input Voltage Waveform	Sinusoidal (Utility or generator)		
Nominal Input Voltage	230	Vac	
Max. AC Input Voltage	300	Vac	
Nominal Input Frequency	50/60Hz (Au	to detection)	
Efficiency	>95% (Rated R load,	battery full charged)	
Transfer Time	10ms typical (UPS); 20	ms typical (Appliances)	
AC Output (Back-Up)			
Rated Output Power	4500VA/4500W	6500VA/6500W	
Output Voltage Regulation	230Vac±5%	Single phase	
Output Frequency	50Hz c	or 60Hz	
Peak Efficiency	94%		
Overload Protection	5s@ ≥ 150% load; 10s@110%~150% load		
Surge Capacity	2*rated power for 5 seconds		
No Load Power Consumption	<35W	<50W	
Battery Specification			
Battery Type	Lithium and Lead Acid Ba	attery, support user define	
System Voltage	24V 48V		
AC Charge & PV Charge Mode			
Charging Algorithm	3-St	ages	
Max. AC Charging Current	80Amp (@V	(I/P=230Vac)	
Max. PV Array Power	6000W	6500W	
PV Array MPPT Voltage Range	55~4	50Vdc	
Max. PV Array Open Circuit Voltage	450	Vdc	
Max. Charging Current (AC+PV)	150A	130A	
Efficiency	98%		
Standby Power Consumption	2W		
General Specification			
Operation Temperature Range	0°C ~55°C		
Storage Temperature	−15°C ~60°C		
Dimension		x159mm	
Net Weight	7.5kg	8.5kg	

### SunSmart Solar Inverter

110/120V AC Output.



- On-grid and off-grid pure sine wave inverter.
- Compatible to both residential single & split phase equipment.
- Supports parallel connection of up to 6 units
- Higher input DC current up to 22A.
- (90~140Vac) ±2% AC input voltage range.
- 120~500Vdc wide voltage range for PV access.
- Higher output power up to 5000W.
- PV charging current up to 100A.
- The efficiency MPPT technology no less than 99.9%.
- Power saving mode available to reduce no-load loss.

Inverter Model	POW-SunSmart SP5K
Parallel	
Permitted Parallel Number	1~6
AC Input	
Input Voltage Waveform	Sinusoidal (Utility or generator)
Nominal Input Voltage	110/120Vac
Input Voltage Range	(90~140Vac)±2%
Nominal Input Frequency	50/60Hz (Auto detection)
AC Output (Back-Up)	
Rated Output Power	5000VA/5000W
Output Voltage Regulation	120Vac Single phase or 208/240Vac Split phase
Output Frequency	50/60Hz
Max. Efficiency	>92%
Battery Specification	
Battery Type	Lithium and Lead Acid Battery, support user define
System Voltage	48V
AC Charge & PV Charge Mode	
Max. AC Charging Current	40Amp
Max. PV Array Power	5500W
PV Array MPPT Voltage Range	120~450Vdc
Max. PV Array Open Circuit Voltage	500Vdc
Max. Charging Current (AC+PV)	100Amp
Max. PV Input Current	22Amp
AC Output (On-Grid)	
Nominal Output Power	5000W
Feed-in Grid Voltage Range	120Vac
Feed-in Grid Frequency	50Hz/60Hz
General Specification	
Operation Temperature	−10°C ~55°C
Communication Interface	RS485 (WIFI/GPRS) / USB / Dry contact
<b>D</b> : .	446.9x350x133mm
Dimension	

### HVM Solar Inverter

Support 12 unit parallel



- 5500W Power Output, 230V AC Output.
- Max. 500V PV input voltage.
- Max. 100A PV Charge, 60A AC charge.
- Parallel Support Up to 12 units.
- 48V Lead acid, Lithium battery.
- USB/RS232/RS485(WIFI)/Dry contact control communication port.
- 50Hz/60Hz Auto frequency range.

ParallelPermitted Parallel Number1-12AC InputSinusoidal (Utility or generator)Input Voltage WaveformSinusoidal (Utility or generator)Nominal Input Voltage230VacMax AC Input Voltage300VacMax AC Input Voltage300VacNominal Input Frequency50/60Hz (Auto detection)Efficiency>95% (Rated R load, battery full charged)AC Output (Back-Up)230Vac±5% Single phase/three phaseOutput Voltage Regulation230Vac±5% Single phase/three phaseOutput Frequency50HZ or 60HZPeak Efficiency94%Battery Specification48VSystem Voltage48VAC Charge & PV Charge Mode48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Open Circuit Voltage500VdcMax. PV Array Open Circuit Voltage500VdcMax. PV Array Open Circuit Voltage500VdcMax. Input Current18AGeneral Specification18AMax. Input Current18AOperation Temperature-10°C -50°CStorage Temperature-10°C -50°CStorage Temperature-15%-95% Relative Humidity (Non condensing)Numititi5%-95% Relative Humidity (Non condensing)Net Weinht9.9kg	Inverter Model	POW-HVM5.5K-48V-LIP
AC InputInput Voltage WaveformSinusoidal (Utility or generator)Nominal Input Voltage230VacMax AC Input Voltage300VacNominal Input Frequency50/60Hz (Auto detection)Efficiency>95% (Rated R load, battery full charged)AC Output (Back-Up)230Vac±5% Single phase/three phaseRated Output Power5.5KVA/5.5KWOutput Voltage Regulation230Vac±5% Single phase/three phaseOutput Voltage Regulation230Vac±5% Single phase/three phaseOutput Frequency94%Battery Specification48VSystem Voltage48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WV MPPT Voltage Range120-450VdcMax. Input Current600VdcMax. Input Current18AGeneral Specification100AmpMax. Input Current500VdcMax. Input Current500VdcMax. Input Current60AmpMax. Input Current60AmpMax. Input Current100AmpMax. Input Current5%-95% Relative Humidity (Non condensing)Communication InterfaceS%-95% Relative Humidity (Non condensing)DimensionUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Parallel	
Input Voltage WaveformSinusoidal (Utility or generator)Nominal Input Voltage230VacMax AC Input Voltage300VacNominal Input Frequency50/60Hz (Auto detection)Efficiency>95% (Rated R load, battery full charged)AC Output (Back-Up)5.5KVA/5.5KWRated Output Power5.5KVA/5.5KWOutput Voltage Regulation230Vac±5% Single phase/three phaseOutput Voltage Regulation230Vac±5% Single phase/three phaseOutput Frequency5.0Hz or 60HzPeak Efficiency94%Battery Specification48VSystem Voltage48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPT Voltage Range120-450VdcMax. PV Array Open Circuit Voltage500VdcMax. Nput Current18ACharging Current (AC+PV)100AmpMax. Input Current5500VdcMax. Input Current5500VdcMax. Input Current18ACharging Feinperature-10°C -50°CStorage Temperature-15°C -60°CHumidity5%-95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x255x105mm	Permitted Parallel Number	1~12
Nominal Input Voltage230VacMax AC Input Voltage300VacNominal Input Frequency50/60Hz (Auto detection)Efficiency>95% (Rated R load, battery full charged)AC Output (Back-Up)300VacRated Output Power5.5KVA/5.5KWOutput Voltage Regulation230Vac±5% Single phase/three phaseOutput Frequency50H2 or 60HzPeak Efficiency94%Battery Specification94%Battery TypeLithium and Lead Acid Battery, support user defineSystem Voltage48VAC Charge & PV Charge Mode48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120-450VdcMax. PV Array Open Circuit Voltage500VdcMax. PV Array Open Circuit Voltage500VdcMax. Input Current18AGeneral Specification100AmpMax. Input Current5%-95% Relative Humidity (Non condensing)Operation Temperature-10°C -50°CStorage Temperature-15°C -60°CHumidity5%-95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	AC Input	
Max AC Input Voltage         300Vac           Nominal Input Frequency         50/40Hz (Auto detection)           Efficiency         >95% (Rated R load, battery full charged)           AC Output (Back-Up)            Rated Output Power         5.5KVA/5.5KW           Output Voltage Regulation         230Vac±5% Single phase/three phase           Output Frequency         94%           Peak Efficiency         94%           Battery Specification            Battery Type         Lithium and Lead Acid Battery, support user define           System Voltage         48V           AC Charge & PV Charge Mode            Charging Algorithm         3-Stages           Max. AC Charging Current         60Amp           Max. PV Array Power         5500W           PV MPPT Voltage Range         120-450Vdc           Max. PV Array Open Circuit Voltage         500Vvdc           Max. Input Current         18A           General Specification            Operation Temperature         -10°C ~50°C           Storage Temperature         -15°C ~60°C           Humidity         5%-95% Relative Humidity (Non condensing)           Dimension         448x295x105mm <td>Input Voltage Waveform</td> <td>Sinusoidal (Utility or generator)</td>	Input Voltage Waveform	Sinusoidal (Utility or generator)
Nominal Input Frequency50/60Hz (Auto detection)Efficiency50/60Hz (Auto detection)AC Output (Back-Up)>95% (Rated R load, battery full charged)Rated Output Power5.5KVA/5.5KWOutput Voltage Regulation230Vac±5% Single phase/three phaseOutput Frequency50Hz or 60HzPeak Efficiency94%Battery Specification94%Battery TypeLithium and Lead Acid Battery, support user defineSystem Voltage48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power500VdcMax. PV Array Open Circuit Voltage500VdcMax. PV Array Open Circuit Voltage500VdcMax. Input Current18AGeneral Specification-10°C ~50°CStorage Temperature-10°C ~50°CStorage Temperature5%~95% Relative Humidity (Non condensing)DimensionUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Nominal Input Voltage	230Vac
Efficiency         >95% (Rated R load, battery full charged)           AC Output (Back-Up)            Rated Output Power         5.5KVA/5.5KW           Output Voltage Regulation         230Vac#5% Single phase/three phase           Output Frequency         50Hz or 60Hz           Peak Efficiency         94%           Battery Specification         94%           Battery Type         Lithium and Lead Acid Battery, support user define           System Voltage         48V           AC Charge & PV Charge Mode            Charging Algorithm         3-Stages           Max. AC Charging Current         60Amp           Max. PV Array Power         5500W           PV MPPT Voltage Range         100Amp           Max. Charging Current (AC+PV)         100Amp           Max. Input Current         18A           General Specification         100Amp           Max. Input Current         5%-95% Relative Humidity (Non condensing)           Guerge Temperature         -15°C ~60°C           Forge Temperature         USB/RS232/RS485/Dry node control           Dimension         448x295x105mm	Max AC Input Voltage	300Vac
AC Output (Back-Up)Rated Output Power5.5KVA/5.5KWOutput Voltage Regulation230Vac+5% Single phase/three phaseOutput Frequency50Hz or 60HzPeak Efficiency94%Battery Specification94%Battery TypeLithium and Lead Acid Battery, support user defineSystem Voltage48VAC Charge & PV Charge Mode004mpCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range100-450VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral Specification-10°C ~50°CStorage Temperature-10°C ~50°CStorage Temperature00-75% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Nominal Input Frequency	50/60Hz (Auto detection)
Rated Output Power5.5KVA/5.5KWOutput Voltage Regulation230Vac±5% Single phase/three phaseOutput Frequency50Hz or 60HzPeak Efficiency94%Battery SpecificationBattery TypeLithium and Lead Acid Battery, support user defineSystem Voltage48VAC Charge & PV Charge Mode48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120-450VdcMax. Input Current18AGeneral Specification18AGeneral Specification-10°C ~50°CStorage Temperature-10°C ~60°CHumidity5%-95% Relative Humidity (Non condensing)DimensionUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Efficiency	>95% (Rated R load, battery full charged)
Nation of the initial stream	AC Output (Back-Up)	
Output Frequency50Hz or 60HzPeak Efficiency94%Battery Specification94%Battery TypeLithium and Lead Acid Battery, support user defineSystem Voltage48VAC Charge & PV Charge Mode48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120-450VdcMax. PV Array Open Circuit Voltage500VvdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral Specification-10°C ~50°CStorage Temperature-10°C ~50°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Rated Output Power	5.5KVA/5.5KW
Peak Efficiency94%Peak Efficiency94%Battery Specification94%Battery TypeLithium and Lead Acid Battery, support user defineSystem Voltage48VAC Charge & PV Charge Mode94%Charging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120~450VdcMax. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral Specification94%Operation Temperature-10°C ~50°CStorage Temperature55% Relative Humidity (Non condensing)Iumidity55%~95% Relative Humidity (Non condensing)DimensionUSB/RS232/RS485/Dry node control	Output Voltage Regulation	230Vac±5% Single phase/three phase
Battery SpecificationBattery TypeLithium and Lead Acid Battery, support user defineSystem Voltage48VAC Charge & PV Charge Mode48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120~450VdcMax. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral Specification-11°C ~50°COperation Temperature-115°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Output Frequency	50Hz or 60Hz
Battery TypeLithium and Lead Acid Battery, support user defineSystem Voltage48VAC Charge & PV Charge Mode48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120~450VdcMax. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral Specification-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Peak Efficiency	94%
System Voltage48VAC Charge & PV Charge Mode48VCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120~450VdcMax. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral Specification100C~50°COperation Temperature-10°C ~50°CStorage TemperatureUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Battery Specification	
AC Charge & PV Charge ModeCharging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120~450VdcMax. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral Specification-10°C ~50°COperation Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Battery Type	Lithium and Lead Acid Battery, support user define
Charging Algorithm3-StagesMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120~450VdcMax. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral SpecificationOperation Temperature-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	System Voltage	48V
Max. AC Charging Current60AmpMax. AC Charging Current60AmpMax. PV Array Power5500WPV MPPT Voltage Range120~450VdcMax. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral SpecificationOperation Temperature-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	AC Charge & PV Charge Mode	
Nax. PV Array Power5500WPV MPPT Voltage Range120~450VdcMax. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral SpecificationOperation Temperature-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Charging Algorithm	3-Stages
PV MPPT Voltage Range120~450VdcMax. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral SpecificationOperation Temperature-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Max. AC Charging Current	60Amp
Max. PV Array Open Circuit Voltage500VdcMax. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral SpecificationOperation Temperature-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Max. PV Array Power	5500W
Max. Charging Current (AC+PV)100AmpMax. Input Current18AGeneral Specification10°C ~50°COperation Temperature-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	PV MPPT Voltage Range	120~450Vdc
Max. Input Current18AGeneral Specification10°C ~50°COperation Temperature-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Max. PV Array Open Circuit Voltage	500Vdc
General SpecificationOperation Temperature-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Max. Charging Current (AC+PV)	100Amp
Operation Temperature-10°C ~50°CStorage Temperature-15°C ~60°CHumidity5%~95% Relative Humidity (Non condensing)Communication InterfaceUSB/RS232/RS485/Dry node controlDimension448x295x105mm	Max. Input Current	18A
Storage Temperature       -15°C ~60°C         Humidity       5%~95% Relative Humidity (Non condensing)         Communication Interface       USB/RS232/RS485/Dry node control         Dimension       448x295x105mm	General Specification	
Humidity     5%~95% Relative Humidity (Non condensing)       Communication Interface     USB/RS232/RS485/Dry node control       Dimension     448x295x105mm	Operation Temperature	-10°C ~50°C
Communication Interface     USB/RS232/RS485/Dry node control       Dimension     448x295x105mm	Storage Temperature	-15°C ~60°C
Communication Interface     node control       Dimension     448x295x105mm	Humidity	5%~95% Relative Humidity (Non condensing)
	Communication Interface	
Net Weight 9.9kg	Dimension	448x295x105mm
<b>,</b>	Net Weight	9.9kg

# Hybrid Solar Inverter

8.2KW/10.2KW AC Output



- On-grid and off-grid pure sine wave inverter.
- 90~500Vdc wide voltage range for PV access.
- 2 PV input, Max. solar input power up to 10200W.
- Higher output power up to 10200W.
- Compatible with 48V lithium-ion and lead-acid battery.
- Max. charging current can reach 160Amp.
- Maximum grid-tie conversion efficiency of 98%.
- Effective forced air cooling, with air speed adjustable.

Inverter Model	POW-HVM8.2M	POW-HVM10.2M		
AC Input				
Input Voltage Waveform	Sinusoidal (Utili	ty or generator)		
Nominal Input Voltage	230	Vac		
Max. AC Input Voltage	300	Vac		
Nominal Input Frequency	50/60Hz (Aut	to detection)		
AC Output (Back-Up)				
Rated Output Power	8.2KW	10.2KW		
Output Voltage Regulation	230Vac±5% \$	Single phase		
Output Frequency	50	Hz		
Peak Efficiency	93	3%		
No Load Power Consumption	70W	75W		
Battery Specification				
Battery Type	Lithium and Lead Acid Battery, support user define			
System Voltage	48V			
AC Charge & PV Charge Mode				
Max. AC Charging Current	140Amp	140Amp		
Max. PV Array Power	8200W	10200W		
PV MPPT Voltage Range	90~50	00Vdc		
Max. PV Array Open Circuit Voltage	500	Vdc		
Max. Charging Current (AC+PV)	160Amp	160Amp		
AC Output (On-Grid)				
Nominal Output Voltage	220/230	/240Vac		
Feed-in Grid Voltage	195~2	53Vac		
Feed-in Grid Frequency	49~51±1Hz/59~61±1Hz			
Nominal Output Current	35.6A 44.3A			
General Specification				
Operation Temperature	-10°C ~50°C			
Communication Interface	RS232 (WiFi)			
Dimension	537x390	x130mm		
Net Weight	14.2kg	14.5kg		

# SunSmart Solar Inverter

10KW 120Vac AC Output



- Supports up to 6 parallel units.
- 90~140Vac AC input voltage range.
- 125~500Vdc wide voltage range for PV access.
- Higher input DC current up to 22A in a single circuit.
- Compatible to both residential single phase & split phase equipment.
- Higher output power up to 10000W.
- 2 MPP Tracker, dual MPPT with 99.9% efficiency.
- Compatible with 48V lithium-ion and lead-acid battery.
- Compliance with IEC and UL grid standards.
- Higher MPPT charging current up to 200A.
- Energy saving mode function to reduce no-load energy losses.

Inverter Model	POW-SunSmart 10K
AC Input	
Input Voltage Waveform	Sinusoidal (Utility or generator)
Nominal Input Voltage	120Vac
Input Voltage Range	90~140Vac
Nominal Input Frequency	50/60Hz
Transfer Time	10ms typical
Max. Bypass Overload Current	63A
AC Output (Back-Up)	
Rated Output Power	10000W
Output Voltage Regulation	120Vac/240Vac Single phase/Split phase
Output Frequency	50/60Hz
Max. Battery Inverter Efficiency	92%
Overload Protection	5s@ ≥ 125% load; 10s@110%~125%load; 5mins@102%~110%load
Load Capacity of Motors	6HP
Battery Specification	
Battery Type	Lithium and Lead Acid Battery, support user define
System Voltage	48V
Charging Voltage Range	40~60V
AC Charge & PV Charge Mode	
Charging Algorithm	3-Stages
Max. AC Charging Current	120Amp
Max. PV Array Power	11000W
PV Array MPPT Voltage Range	125~425Vdc
Max. PV Array Open Circuit Voltage	500Vdc
Max. Charging Current (AC+PV)	200Amp
General Specification	
Operation Temperature Range	-10°C ~55°C , >45°C derated (-14~131 °F ; 113 °F derated)
Communication interface	RS485 (WIFI/GPRS) / CAN / USB / Dry contact
Dimension	620x445x130mm (2x1.5x0.4ft)
Net Weight	27kg (59.5lb)

# SunSmart Solar Inverter

Max. 200A Charging



- IP65 waterproof and dustproof for various working conditions.
- On-grid and off-grid pure sine wave inverter.
- Support both Split Phase 208/240Vac and Single Phase 230Vac.
- Built-in AC coupled function.
- Built-in Wi-Fi for mobile monitoring (APP is available).
- Accepts second input power source, generator input compatible.
- Optional external CT sensor to guarantee 100% self-consumption.
- Built-in communication port for BMS (RS485).
- 2 MPP trackers, dual MPPT with 15A Max. input current.
- Parallel operation up to 6 units.

Inverter Model	POW-SunSmart LV12K
Permitted Parallel Number	1~6
AC Input	
Nominal Input Voltage	85Vac (per phase)/90Vac (per phase)
Acceptable Voltage Range	85~140Vac (per phase)
Nominal Input Frequency	50Hz/60Hz (Auto sensing)
AC Output (Back-Up)	
Rated Output Power	10000VA/10000W
Nominal Output Voltage	120Vac (P-N), 208Vac (P-P), 240Vac (P-P)
Efficiency (DC to AC)	91%
Battery Specification	
Battery Type	Lithium and Lead Acid Battery, support user define
Nominal DC Voltage	40-62 VDC
System Voltage	48V
AC Charge & PV Charge Mode	
Charging Algorithm	3-Stages
Max AC Charging Current	200A
Max. PV Array Power	12000W
PV MPPT Voltage Range	120~550Vdc
Max. PV Array Open Circuit Voltage	600Vdc
Max Charging Current (AC +PV)	200A
AC Output (On-Grid)	
Nominal Output Power	10000VA/10000W
Nominal Output Voltage	120Vac (P-N), 208Vac (P-P), 240Vac (P-P)
Output Voltage Range	105.5Vac~132Vac (per phase)
Nominal Output Current	41.5 A per phase
Power Factor	0.9 lag to 0.9 lead
General Specification	
Protection Degree	IP 65
Operating Temperature	-25° C to 60° C (>45° C derating)
Communication Interface	RS232, RS485, WI-FI, USB
Dimension	215.5 x 515 x 715mm

UL 1741SA, IEEE 1547-1, FCC

### **Hybrid Inverter**

3/3.6/4.2/5/6/8KW Output



- 97.6% Max. Efficiency.
- 15A PV input current per string, 1-2 MPP trackers.
- 30A charge/discharge current.
- 110% continuous AC output overloading.
- 130% max. back-up output overloading @60s.
- 160% DC oversizing.
- Plug & Play terminals for easy wiring.
- Power and alarm indicator.
- OLED display and App for setting and data management.
- 85-450V wide battery voltage range.
- IP65 for indoor and outdoor installation.
- Compact size and elegant appearance.

### Battery Compatibility Protocol POWNC PYLONTECH Dyness Ourson SOLUNA POtisEdge STELTEC Lithural

PV Input         4800W         5760W         6720W         8000W         9600W         12800W           PV Input Voltage Range $= -80^{-5}$ $80^{-5}$ <th>nverter Model</th>	nverter Model
No. 1 V Inty FortalSecond and the second	PV Input
PV MPPT Voltage Range100-550VMax. PV Input Current15A15A15A/15A15A/15A15A/15A15A/15ABattery SpecificationBattery TypeBattery Voltage RangeMax. Discharging CurrentMax. Charging CurrentMax. Charging CurrentAC Input & AC Output (On-Grid)Rated Output Power3000W3600W4200W5000W6000W8000WNominal Input VoltageMax. Output Current15A18A21A25A28.7A36.3ATHDCI<	4ax. PV Array Power
Max. PV Input Current         15A         15A         15A/15A         15A/15A         15A/15A         15A/15A           Battery Specification         Elithium Battery Type         Elithium Battery United BMS         15A/15A         15A/15A         15A/15A         15A/15A         15A/15A           Battery Specification         Elithium Battery With BMS         Elithium Battery With BMS         Elithium Battery With BMS         Elithium Battery Specification           Battery Voltage Range         Elithium Battery Specification         Solution Specification         Specification         Specification           Max. Discharging Current         Elithium Battery Specification         Specification         Specification         Specification           Max. Charging Current         Elithium Sattery Specification         Specification         Specification         Specification           Rated Output Power         3000W         3600W         4200W         Sponow         6000W         8000W           Nominal Input Voltage         Elithium El	V Input Voltage Range
Battery SpecificationBattery TypeImage: State of the	יV MPPT Voltage Range
Battery TypeIthium Battery United BMSBattery Voltage Range $85 \times 45 \vee V$ Max. Discharging Current $300 \vee CONCONSCONSCONSSCONSSCONSSCONSSCONSSCON$	4ax. PV Input Current
Battery Voltage Range         85~45∨           Max. Discharging Current         3000W         3600W         5000W         6000W         8000W           AC Input & AC Output (On-Grid)         3000W         3600W         4200W         5000W         6000W         8000W           Nominal Input Voltage             5000W         6000W         8000W           Nominal Input Voltage             5000W         6000W         8000W           Nominal Frequency         3000W         3600W         4200W         5000W         6000W         8000W           Nominal Frequency         15A         18A         21A         25A         28.7A         36.3A           THD            25A         28.7A         36.3A           DCI             3% @Rated Tput power          36.3A           THD                     DCI	Battery Specification
Max. Discharging Current30AMax. Charging Current30AMax. Charging Current300WAC Input & AC Output (On-Grid)Rated Output Power3000W3600W4200W5000W6000W8000WNominal Input VoltageColspan="4">Colspan="4"Colspan="4	Battery Type
Max. Charging Current300W3600W4200W5000W6000W8000WRated Output Power3000W3600W4200W5000W6000W8000WNominal Input Voltage5000W6000W8000WNominal Frequency36.3AMax. Output Current15A18A21A25A28.7A36.3ATHD36.3ADCI </td <td>Battery Voltage Range</td>	Battery Voltage Range
AC Input & AC Output (On-Grid)Rated Output Power3000W3600W4200W5000W6000W8000WNominal Input VoltageL/N/PE; 22U/230/240V50Hz/60Hz1000000000000000000000000000000000000	Jax. Discharging Current
Rated Output Power         3000W         3600W         4200W         5000W         6000W         8000W           Nominal Input Voltage         L/N/PE; 22/230/240V         L/N/PE; 22/230/240V         V	Max. Charging Current
Nominal Input VoltageL/N/PE; 22U/230/240VNominal Frequency50Hz/60HzMax. Output Current15A18A21A25A28.7A36.3ATHD	AC Input & AC Output
Nominal Frequency         50Hz/60Hz           Max. Output Current         15A         18A         21A         25A         28.7A         36.3A           THD	Rated Output Power
Max. Output Current         15A         18A         21A         25A         28.7A         36.3A           THD	Nominal Input Voltage
THD     <3% @Rated output power	Nominal Frequency
DCI     <0.5%In	4ax. Output Current
AC Output (Back-up)	HD
	DCI
	AC Output (Back-up)
Rated Output Power         3000W         3600W         4200W         5000W         6000W         8000W	Rated Output Power
Nominal Input Voltage L/N/PE; 220/230/240V	Iominal Input Voltage
Nominal Frequency 50Hz/60Hz	Nominal Frequency
Max. Output Current         15A         18A         21A         25A         28.7A         36.3A	4ax. Output Current
Voltage Harmonic<3% @Linear loadDistortion<3% @Linear load	
General Specification	General Specification
Over Voltage Category PV: II Main: III	Over Voltage Category
IP Class IP65	P Class
Parallel Operation     To be developed       Function     To be developed	
Dimension 534×418×210mm	Dimension
Net Weight 27.0kg	Vet Weight

### **Hybrid Inverter**

4/5/6/8/10/12KW Output



- 98.2% Max. Efficiency.
- 15A PV input current per string, 2 MPP trackers.
- 110% continuous AC output overloading.
- 200% max. back-up output overloading @60s.
- 150% DC oversizing.
- Plug & Play terminals for easy wiring.
- Power and alarm indicator.
- OLED display and App for setting and data management.
- 135-750V wide battery voltage range.
- IP65 for indoor and outdoor installation.
- Compatible with Three-Phase system.

### Battery Compatibility Protocol



Inverter Model	SOLXPOW X2-4K	SOLXPOW X2-5K	SOLXPOW X2-6K	SOLXPOW X2-8K	SOLXPOW X2-10K	SOLXPOW X2-12K	
PV Input							
Max. PV Array Power	6000W	7500W	9000W	12000W	15000W	18000W	
PV Input Voltage Range			135~1	1000∨			
PV MPPT Voltage Range			120~	950V			
Max. PV Input Current	15A/15A	15A/15A	15A/15A	15A/15A	15A/15A	15A/15A	
<b>Battery Specification</b>							
Battery Type			Lithium Batte	ery (with BMS)			
Battery Voltage Range			135~	750V			
Max. Discharging Current			25	ōΑ			
Max. Charging Current			2	ōΑ			
AC Input & AC Output	(On-Grid)						
Rated Output Power	4000W	5000W	6000W	8000W	10000W	12000W	
Nominal Input Voltage			L/N/PE; 22	0/230/240V			
Nominal Frequency			50Hz	/60Hz			
Max. Output Current	6.7A	8.3A	10.0A	13.3A	16.5A	20.0A	
THD			<3% @Rated	output power			
DCI			<0.5	5%In			
AC Output (Back-up)							
Rated Output Power	4000W	5000W	6000W	8000W	10000W	12000W	
Nominal Input Voltage			L/N/PE; 22	0/230/240V			
Nominal Frequency			50Hz	/60Hz			
Max. Output Current	6.7A	8.3A	10.0A	13.3A	16.5A	20.0A	
Voltage Harmonic Distortion	<3% @Linear load						
General Specification							
Over Voltage Category			PV: II N	4ain: III			
IP Class			IP	65			
Parallel Operation Function	To be developed						
Dimension	534×418×210mm						
Net Weight		26.0kg					

EN 50549-1, VDE AR-N4105, C10/11, PN-EN 50549-1, CEI-021, IEC/EN 62116, IEC61727, IEC60068, IEC61683, UNE 217002, G98, G99, NRS 097-2-1, ROHS, Sweden List, Estonian List

### **Hybrid Inverter**

10/12/15/20KW Output



- 98.4% Max. Efficiency.
- 30A PV input current, 2 MPP trackers.
- 40A charge/discharge current.
- 110% continuous AC output overloading.
- 200% max. back-up output overloading @60s.
- 10ms UPS-level switching.
- Plug & Play terminals for easy wiring.
- OLED display and App for setting and data management.
- WIFI configuration via App.
- 135–750V wide battery voltage range.
- IP65 for indoor and outdoor installation.

### **Battery Compatibility Protocol**



Inverter Model	SOLXPOW X3-10K	SOLXPOW X3-12K	SOLXPOW X3-15K	SOLXPOW X3-20K	
PV Input					
Max. PV Array Power	15000W	18000W	22500W	30000W	
PV Input Voltage Range		135~1000	V		
PV MPPT Voltage Range		200~950	$\checkmark$		
Max. PV Input Current	30A/30A	30A/30A	30A/30A	30A/30A	
Battery Specification					
Battery Type		Lithium Battery (v	vith BMS)		
Battery Voltage Range		135~750	$\checkmark$		
Max. Discharging Current		40A			
Max. Charging Current		40A			
AC Input & AC Output (On-Gri	d)				
Rated Output Power	10000W	12000W	15000W	20000W	
Nominal Input Voltage		L/N/PE; 220/23	0/240V		
Nominal Frequency	50Hz/60Hz				
Max. Output Current	16.5A	20A	25A	33.5A	
THD		<3% @Rated outp	out power		
DCI		<0.5%In			
AC Output (Back-up)					
Rated Output Power	10000W	12000W	15000W	20000W	
Nominal Input Voltage		L/N/PE; 220/23	0/240V		
Nominal Frequency		50Hz/60H	z		
Max. Output Current	16.5A	20A	25A	33.5A	
Voltage Harmonic Distortion		<3% @Linear	load		
General Specification					
Over Voltage Category	PV: II Main: III				
IP Class		IP65			
Parallel Operation Function	To be developed				
Dimension		534×418×210	Dmm		
Net Weight		28.0kg			

EN 61000, IEC 62109, EN 50549-1, VDE AR-N4105, C10/11, PN-EN 50549-1, CEI-021, IEC/EN 62116, IEC61727, IEC60068, IEC61683, UNE 217002, G98, G99, NRS 097-2-1, ROHS, Sweden List, Estonian List

# **Hybrid Inverter**

25/30/36/40/50KW Output



- 98.8% Max. Efficiency.
- 30A PV input current, 4 MPP trackers.
- 100A charge/discharge current.
- 110% continuous AC output overloading.
- 120% max. back-up output overloading @60s.

**Battery Compatibility Protocol** 

 $\mathbf{V}$ 

PYLONTECH

LithiumValley

SUNWODA

POWM

**Dyness** 

UECO

- 150% DC oversizing.
- Plug & Play terminals for easy wiring.
- OLED display and App for setting and data management.
- WIFI configuration via App.
- 135-750V wide battery voltage range.
- IP65 for indoor and outdoor installation.

Inverter Model	SOLXPOW X4-25K	SOLXPOW X4-30K	SOLXPOW X4-36K	SOLXPOW X4-40K	SOLXPOW X4-50K	
PV Input						
Max. PV Array Power	37500W	45000W	54000W	60000W	75000W	
PV Input Voltage Range			140~1000V			
PV MPPT Voltage Range			200~950V			
Max. PV Input Current	30A*4	30A*4	30A*4	30A*4	30A*4	
Battery Specification						
Battery Type		Lithiun	n Battery (with B	MS)		
Battery Voltage Range			144~750V			
Max. Discharging Current			100A			
Max. Charging Current			100A			
AC Input & AC Output (Or	n-Grid)					
Rated Output Power	37500W	45000W	54000W	60000W	75000W	
Nominal Input Voltage		L/N/	PE; 220/230/240	)\		
Nominal Frequency			50Hz/60Hz			
Max. Output Current	42A	50A	60A	66A	83A	
THD		<3% @	Rated output po	ower		
DCI			<0.5%In			
AC Output (Back-up)						
Rated Output Power	37500W	45000W	54000W	60000W	75000W	
Nominal Input Voltage		L/N/	PE; 220/230/240	)V		
Nominal Input Frequency			50Hz/60Hz			
Max. Output Current	42A	50A	60A	66A	83A	
Voltage Harmonic Distortion	<3% @Linear load					
General Specification						
Over Voltage Category			PV: II Main: III			
IP Class			IP65			
Parallel Operation Function	To be developed					
Dimension	800×620×300mm					
	72.0kg					

### Energy storage LiFePO4 Battery

30~100AH 12V



- Lightweight and compact.
- Higher rated capacity up to 100AH.
- Same battery case as the SLA battery, easily replace SLA battery.
- Maximum of 4 in series (only 100AH model), and supports parallel connection
- The installation is simple and user-friendly.
- Wide operation temperature range.

Battery Model		POW-30AH-12V	POW-50AH-12V	POW-100AH-12V	
Performance					
Battery Type			LiFePO4 battery		
Nominal Voltage	e	12.8V			
Rated Capacity		30AH (0.2C/25℃ ) (Min: 29Ah)	50AH (0.2C/25℃ ) (Min: 49Ah)	100AH (0.2C/25°C ) (Min: 96Ah)	
Operating Voltag	ge Range	1	0V~14.6V (Typical: 12.8V	()	
Charging Voltag	e		14.6V		
Discharging Cut	-off Voltage		10V		
Max. Charging C	Current	15A	25A	50A	
Max. Dischargin	g Current	30A	50A	100A	
Function					
Series				Maximum support for 4 sets in series	
Parallel			Support		
Alarm & Protect	ion	Over voltage, Uno	der voltage, Over current	, Short circuit etc.	
Environmental	Specification				
Altitude			≤ 4000m		
Humidity			15%~85%		
Operation	Charge	0°C ~50°C			
Temperature Discharge		-10°C ~60°C			
Installation		Placement			
General Specific	cation				
Dimension		195x133x171mm	228x138x210mm	325x170x215mm	
Net weight		4.5 <b>kg</b> 6.2 <b>kg</b> 11.5 <b>kg</b>			

# Wall Mounted Lithium Battery

100AH~ 200AH



- Support up to 15 independent modules for parallel use.
- A+ battery cell, precise combination.
- Continuously out 100A high current.
- Embedded intelligent BMS provide protection.
- Superior quality assurance, 10 years manufacturer's warranty.
- 80% DOD cycles for 6000 times.
- External weak current switch reduces power consumption.
- A full range of protection functions.

Battery Model			POW-LIO4	POW-LIO48100-15S		OW-LIO48200-15S	
Capacity	Capacity			≥ 4.8KWH			
Nominal Voltage	e			48	3V		
Charging Voltag	le			54.	75V		
Nominal Chargi	ng Curren	t	20	A		40A	
Max. Charging (	Current		10	0A		100A	
Max. Dischargin	g Current		10	0A		100A	
Cycle Life				≥ 6000 Times @	)80%DOD	), 25°C	
Installation			Wall-mounted battery				
Parallel			Up to 15 units in parallel				
Warranty				10 years			
Communication				RS485	5/CAN		
Operation	Charge			0° C ~	~60° C		
Temperature	Dischar	ge		-10° C	~65° C		
Dimension			440×170>	<510mm		440×206×670mm	
Net Weight			40	٨ġ		72kg	
BMS communic	ation pro	tocol n	natching				
		ROWATT 墙 瓦 特	Dey	'e	SMA		
SMK SOLAR Energy - Anytime - Anywhere		Voltronic Power Advancing Power	victron energy		S S FAR		
		POWERTEK			<b>PYLON</b> TECH		
MUST美	世乐	SA	<b>KO</b> 三科 <sup>®</sup>	💋 SRN	E硕日	Sacolar	

EN IEC 61000-6-3, EN IEC 61000-6-1, EN 61000-3-3, EN IEC 61000-3-2, UN38.3, MSDS

# Residential Energy Storage

Stacked LiFePO4 Battery



- Integration of A-grade Lithium Iron Phosphate battery cells.
- Module incorporates a high-precision BMS unit.
- External cold-rolled plate metal casing with internal shock-absorbing filler structure.
- High safety and reliability for household standards.
- Each battery module is 100AH, with a maximum of 16 modules in parallel.
- Stackable design, maximizing vertical space utilization.
- $\geq$  6000 cycles of cycle life.
- Stackable installation, plug-and-play wiring, easy operation.

Battery Model	POW-LIO51400-16S			
System Voltage	51.2V			
Capacity (for 4 battery module in parallel)	400AH (4×100AH)			
Constant Voltage Charging Voltage	56.8	3V		
Float Charging Voltage	56	V		
Max. Discharge Cutoff Voltage	43.2	2V		
Recommended Discharge Cutoff Voltage	46.4	ί+V		
Max. Charging Current	100	A		
Recommended Charging Current	20/	Ą		
Max. Discharge Current	100	A		
Recommended Discharge Current	50,	Ą		
Max. Parallel Quantity	16	)		
Communication Interface	RS232/RS4	485/CAN		
Cycle Life	≥ 6000 Times @80%DOD, 25℃			
Operating Temp	Charging: 0~60° C; Discharging: -10° C~65° C			
Nominal Operation Altitude	< 3000m			
Recommended Operation Environment	Indoor			
Dimensions	635x500x	800mm		
Net Weight	206	kg		
Single Battery Dimensions (LxWxH)	635x500x	155mm		
Top Cover Dimensions (LxWxH)	635x500	x80mm		
Base Dimensions (LxWxH)	635x500x100mm			
Single Battery Net Weight	47kg			
Top Cover Net Weight	8kg			
Base Net Weight	10kg			
BMS communication protocol matching				
	victron energy	GROWATT 古 猫 瓦 特		
	Voltronic Power Advancing Power	SSFAR		
	MEGAREVO	MUST 美世乐		
💋 SRNE硕日				

# Wall Mounted

LiFePO4 Battery



- Utilizes high-quality Grade A cells for integration.
- Built-in 150A BMS for charging management.
- Cycle life of  $\geq$  6000 times.
- Supports remote monitoring via upper computer.
- High stability and safety, suitable for household solar energy systems.
- Built-in control panel for easy monitoring of data and status.

Battery Model	POW-LIO51200-150A			
System Voltage	51.2V			
Capacity	200/	АН		
Constant Voltage Charging Voltage	57.6	5V		
Float Charging Voltage	56	V		
Max. Discharge Cutoff Voltage	43.2	2V		
Recommended Discharge Cutoff Voltage	48'	V		
Max. Charging Current	150	A		
Recommended Charging Current	40.	A		
Max. Discharge Current	150	A		
Recommended Discharge Current	40-12	20A		
Max. Parallel Connection of Batteries	16			
Communication Interface	RS232/RS485/CAN			
Cycle Life	≥ 6000 Times @80%DOD, 25℃			
Operating Temp	Charging: 0~60° C; Disc	harging: -10° C~65° C		
Nominal Operation Altitude	< 30	00m		
Recommended Operation Environment	Indo	por		
Battery Dimensions (LxWxH)	780*495*217mm			
Net Weight	94.5kg			
BMS communication protocol matching				
	victron energy	GROWATT 古端瓦特		
	Voltronic Power Advancing Power	S S FAR		
	MEGAREVO	MUST美世乐		
💋 SRNE硕日				

### **High-voltage**

Stacked Battery



- Support 8 modules in Series.
- Modules operate independently for system safety.
- Pulley bottom, manual switch, and visual supervision interface.
- Cover all mainstream protocols.
- 4 times long static and 8 consistency screening.
- Nano-coating and self-healing technology construct the LFP channel.

### **Inverter Compatibility Protocols**



Battery Model	POW-HVT -5	POW-HVT -10	POW-HVT -15	POW-HVT -20	POW-HVT -25	POW-HVT -30	
Electronic Specificati	ons						
Rated Voltage	51.2V	102.4V	153.6V	204.8V	256V	307.2V	
Rated Capacity		100Ah@25° C					
Energy	5120Wh	10240Wh	15360Wh	20480Wh	25600Wh	30720Wh	
Months Self Discharge				3%			
Charge Efficiency				@ 0.2C			
Discharge Efficiency				%@ 1C			
Internal Resistance		-	≤ 50mΩ (Fully	charged, 25° C	<u>;</u> )		
Charge Voltage	56.8V	113.6V	170.4V	227.2V	284.0V	340.8V	
Standard Charge Mode	0.2C A Co drop	nstant Current s to 0.02CA, b	to 57V, then C efore use, rest	Constant Volta 30 minutes (2	ge 57V , until 1 5° C±2° C, <75	the current %RH)	
Charge Current			20	AC			
Maximum Charge Current			50	AC			
Charge Cut-off Voltage	58.4V	116.8V	175.2V	233.6V	292.0V	350.4V	
Continuous Discharge Current		100A					
Maximum Pulse Current			200A	. (<1s)			
Discharge Cut-off Voltage	44.8V	89.6V	134.4V	179.2V	224V	268.8V	
Operating Temperate	ire Range						
Nominal Operating Temp			25° C± 3° C	(77° F± 5° F)			
Discharge Temp			– 20° C~ 60° C	(-4° F ~ 140° F	)		
Charge Temp			0° C~ 45° C (3	32° F ~ 113° F)			
Storage Temp			0° C~ 40° C (3	32° F ~ 104° F)			
General Information							
Cycle life		4	000 cycles @ (	0.2C 100%D.O.	D		
Water Dust Resistance			IP	50			
Communicate Protoco	I	RS485/ CAN					
SOC		Screen/LED/PC Software					
Cells			16 St	rings			
Dimensions (Single Battery Unit)		640x400x160mm (23.84x14.9x5.96inch)					
Approx. Battery			52kg (114.	64lbs)±2kg			
Weight Controller			20kg (44.0	)9lbs)±2kg			

# 24V 48V Battery Equalizer

For Lead-acid and Lithium Battery



- Make the voltage of each battery consistent.
- Suitable for a variety of battery types.
- Improve the battery's performance and extent the battery's lifetime.
- Automatic balance the battery voltage when it detects there is 20mV/10mV between two batteries.
- The parallel or series connection has no effect on equalizer operation.
- Balances the battery for 24 hours automatically.

Equalizer Model	BE24
Battery nominal voltage	2*12V
Optimizing current	0-5A
Quiescent current	<3mA
Protection	Reverse polarity protection
Low Voltage Disconnect	10V
Dimensions	70*70*27 mm
Net Weight	0.23 <b>Kg</b>
Equalizer Model	BE48
Equalizer Model	BE48
Equalizer Model Battery nominal voltage	BE48 4* (2.4V/3.6V/6V/9V/12V)
Battery nominal voltage	4* (2.4V/3.6V/6V/9V/12V)
Battery nominal voltage Optimizing current	4* (2.4V/3.6V/6V/9V/12V) 0-10A
Battery nominal voltage Optimizing current Quiescent current	4* (2.4V/3.6V/6V/9V/12V) 0-10A 5mA(12V) 1.2mA(2.4V)
Battery nominal voltage Optimizing current Quiescent current Protection	4* (2.4V/3.6V/6V/9V/12V) 0-10A 5mA(12V) 1.2mA(2.4V) Reverse polarity protection

# All-in-one Energy Storage System

Max. energy storage capacity of 20.48kWh



- Integrated solar energy storage system
- Rated 5600W pure sine wave AC output
- Wide photovoltaic input voltage range of 120~500V
- Maximum charging current of up to 80A
- Each battery module has a capacity of 2.56 kWh, supporting up to 8 parallel connections
- A+ grade lithium iron phosphate (LiFePO4) battery cells
- Stackable installation, saving approximately 60% of installation wiring time
- LCD display for comprehensive monitoring of system status

Inverter Module	POW-ESS5S
Output	
Rated Output Power	5600W/5600VA
Max. Peak Power	10000VA
Maximum Efficiency	92%
Wave Form	PSW(Pure Sine Wave)
Rated Output Voltage	220Vac(single-phase)
Power saving mode	Yes
Solar Input	
Solar Charge Type	MPPT
Max. Solar Array Power	6000W
Max. Solar Open Circuit Voltage	500Vdc
Grid / Generator Input	
Input Voltage Range	90~280Vac
Bypass Overload Current	40A
Battery Charging	
Max. Solar Charging Current	80A
Max. Grid / Generator Charging Current	60A
General	
Dimension	135*480*330mm
Weight(Kg)	~13kg
Battery Module	POW-ESS5S
Battery Power	2.56kWh
Rated Voltage	51.2V
Rated Capacity	50Ah
Battery Type	Prismatic LFP
Cycling Life Span	≥ 6000 (80%DOD, 0.5C, 25° C)
Max.Parallel Capacity	8 units (up to 20.48kWh)
Dimension	135*480*330mm
Weight(Kg)	~25Kg
Standard	UN38.3, MSDS, UL1973, IEC62619:2017, EN IEC61000-3-2, EN IEC61000-6-1,RoHS

### **ACCESSORIES**



98/164/230/328FT



3/16/26/30/40/50FT



10/20/30/40/50FT



DC Electricity Usage Monitor AC Electricity Usage Monitor



Blade Fuse Block

### **Solar Connector**



MC4D-4/6

# Controller

### 3A-6V; 5A-12V

IP57; Lead acid battery



### 10A-12V

IP68; Lead acid & lithium battery



### POW-Boost 10A

MPPT; 24/36/48/60/72V; Lead acid & lithium battery



### **POW-KEEPER SERIES**

MPPT; 12/24V; Lead acid & lithium battery



### **Pstar SERIES**

PWM; 12/24/36/48V; Lead acid & lithium battery



### POW-M60-PRO

MPPT; 12/24/36/48V; Lead acid & lithium battery



### POW-M60-MAX

MPPT; 12/24/36/48V; Lead acid & lithium battery



#### HHJ60-PRO

MPPT; 12/24/36/48V; Lead acid & lithium battery



### **Solar Charger Inverter**

#### POW-HVM2H-24V-N POW-HVM3.2H-24V-N

220V; Single phase; Off-grid



#### POW-LVM3K-24V-H POW-LVM5K-48V-N

110V; Single phase; Off-grid



#### POW-HVM4.2M-48V-N POW-HVM6.2M-48V-N

220V; Single phase; On-grid & off-grid; 2 AC output



#### POW-HVM4.5K-24V POW-HVM6.5K-48V

220V; Single phase; Off-grid

### POW-SunSmart SP5K

110V; Single/split phase; On-grid & off-grid; Max. parallel: 6



### POW-SunSmart 10K

110V; Single/split phase; 2 MPPT; On-grid & off-grid; Max. Parallel: 6



### POW-HVM5.5K-48V-LIP

220V; Single/three phase; off-grid; Max. parallel: 12



### POW-SunSmart LV12K

110V; Single/split phase; 2 MPPT; On-grid & off-grid; Max. parallel: 6





#### POW-HVM8.2M POW-HVM10.2M

220V; Single phase; On-grid & off-grid; 2 AC output



SOLXPOW X1-3/3.6/ 4.2/5/6/8K

220V; Single phase; On-grid & off-grid; 1/2 MPPT



SOLXPOW X4-25/ 30/36/40/50K 220V; Three phase; On-grid & off-grid; 4 MPPT



#### SOLXPOW X2-4/ 5/6/8/10/12K

220V; Three phase; On-grid & off-grid; 2 MPPT



#### SOLXPOW X3-10/ 12/15/20K

220V; Three phase; On-grid & off-grid; 2 MPPT



### **Battery and Battery Accessory**



#### POW-LIO51200-150A

Up to 15 unit in parallel; Wall-mounted



### **POW-HVT SERIES**

Up to 8 unit in series; Stackable; High-voltage



#### **BE24 BE48**

BE24: Gel/Flood/AGM; BE48: VRLA/LFP/Ni/CD/Ni/MH



### All-in-one Energy Storage System

#### **POW-ESS5S**

220V; 2.56kWh; 5600W/VA

