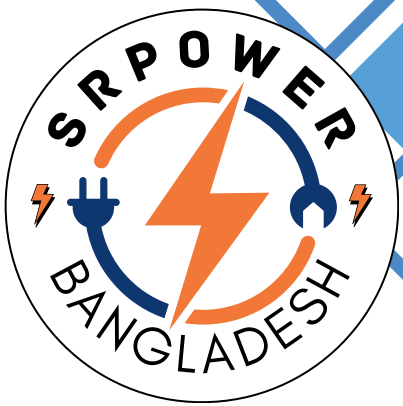


www.srpowerbd.com



Product Catalog

ECO FRIENDLY

Since 2023



Affordable solar solutions for a sustainable tomorrow

Phone: +880 1810 739 739
Email: info@srpowerbd.com

Powering Tomorrow, Today

In a world where energy needs grow exponentially while environmental concerns mount, SR Power stands as a beacon of innovation at the crossroads of necessity and sustainability.

Our solar solutions don't just provide electricity—they deliver freedom. Freedom from unpredictable grid failures. Freedom from rising utility costs. Freedom to power dreams without compromising our planet's future.

When the sun rises over Bangladesh's diverse landscapes—from bustling urban centers to serene rural communities—it brings more than light and warmth. Through our technology, each ray becomes potential: illuminating homes, energizing businesses, and nurturing agriculture that feeds communities.

We don't simply install systems; we engineer independence. Every panel we mount and every battery we connect represents another step toward a nation powered by its most abundant natural resource—sunshine freely given to all.

The journey to energy sovereignty isn't measured in kilowatts but in transformed lives: children studying under reliable light, businesses operating without interruption, farmers irrigating fields without fossil fuels, and communities breathing cleaner air.

SR Power isn't just building energy infrastructure. We're laying the foundation for a resilient Bangladesh—one solar panel at a time.

Save Money. Save The Planet.

"Delivering sustainable and uninterrupted electricity to everyone's doorstep for a greener planet." Our goal is to ensure widespread use of solar energy in every home, office, industrial facility, and agricultural sector in Bangladesh. We envision a future where people enjoy the benefits of sustainable energy at lower costs without power disruptions. We believe that solar power is not just an alternative, but the only sustainable solution for the future.



SR Power is a leading solar energy solutions provider in Bangladesh, committed to delivering cost-effective, reliable, and eco-friendly power solutions. With a diverse range of products, including solar hybrid inverters, solar panels, batteries, and irrigation systems, we serve residential, commercial, industrial, and agricultural sectors. Our mission is to ensure uninterrupted, sustainable energy while reducing dependency on conventional electricity. Backed by cutting-edge technology, expert support, and a customer-centric approach, SR Power is driving the future of clean energy for a greener tomorrow.

SRPOWER

CONTACT US



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www.srpowerbd.com



Chuadanga 7200, Bangladesh



SRP  **POWER**

Save Money
Save the Planet

Energy-Efficient Eco Friendly Long-Lasting

SR Power delivers customized solar solutions across 11 key sectors in Bangladesh, from homes and businesses to farms and telecom infrastructure. Our renewable energy systems provide uninterrupted, cost-effective power while reducing environmental impact. Whether supporting a rural household, industrial facility, or eco-resort, SR Power makes sustainable energy accessible to all with our expertise in solar panels, inverters, batteries, and smart energy management systems.

1. Residential

- ✓ Solar home systems
- ✓ Battery backup solutions
- ✓ Energy-efficient and uninterrupted power arrangements

2. Commercial Establishments

- ✓ Solar solutions for offices, shopping malls, and shops
- ✓ Solar inverter and battery-supported systems
- ✓ Effective solar plans for electricity bill savings

3. Industrial Facilities

- ✓ High-capacity solar installations
- ✓ Smart energy management
- ✓ Grid-tied and off-grid solar systems

4. Government & Public Sector

- ✓ Solar systems for government offices, educational institutions, and hospitals
- ✓ Participation in government projects and eco-friendly energy solutions
- ✓ Solar street lights for smart city projects

5. Agricultural

- ✓ Solar-powered deep and shallow tube wells
- ✓ Solar agricultural irrigation systems
- ✓ Expansion of electricity facilities in rural areas

6. Electric Vehicle Charging Systems

- ✓ Solar EV charging stations
- ✓ Smart charging management
- ✓ Electricity bill-saving systems

7. Telecom Sector

- ✓ Solar power for mobile towers and BTS stations
- ✓ 24/7 uninterrupted power supply
- ✓ Backup power systems

8. Poultry Farms

- ✓ Solar-powered fans, lights, and heating systems
- ✓ Effective production by reducing electricity costs
- ✓ Load-shedding free smart power solutions

9. Fishery & Aquaculture

- ✓ Solar-powered pumps and aerators
- ✓ Cost savings by reducing electricity dependence
- ✓ Increasing fish production by ensuring uninterrupted supply

10. Cold Storage & Warehousing

- ✓ Solar-powered cold storage systems
- ✓ Long-term storage facilities at low cost
- ✓ Smart energy management

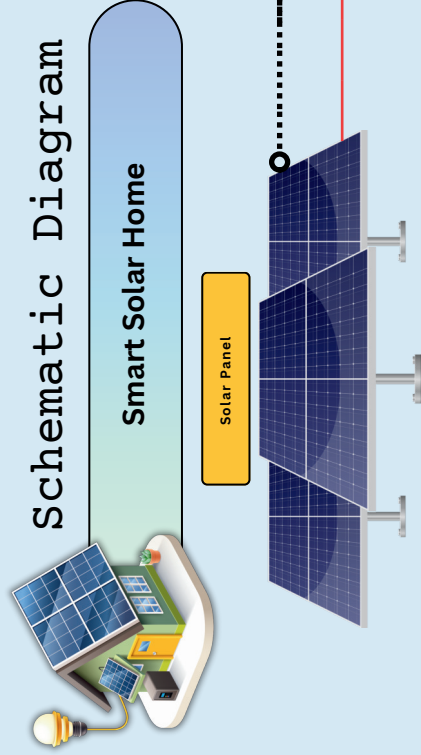
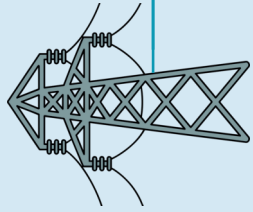
11. Tourism & Eco-Resorts

- ✓ Solar solutions for resorts, hotels, and eco-tourism
- ✓ Off-grid solar systems
- ✓ Environmentally friendly and cost-effective electricity systems



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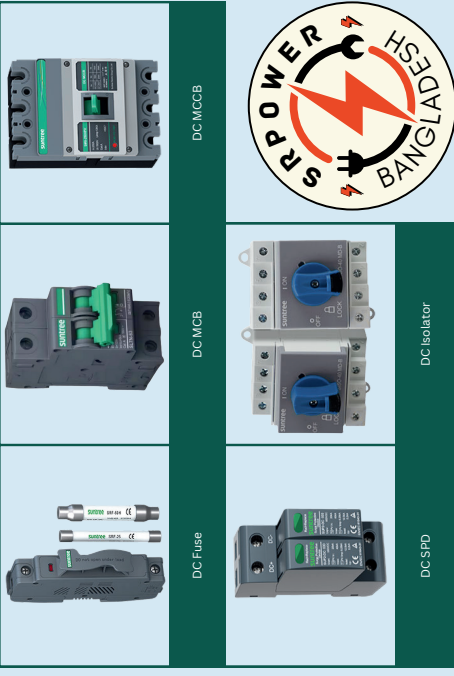
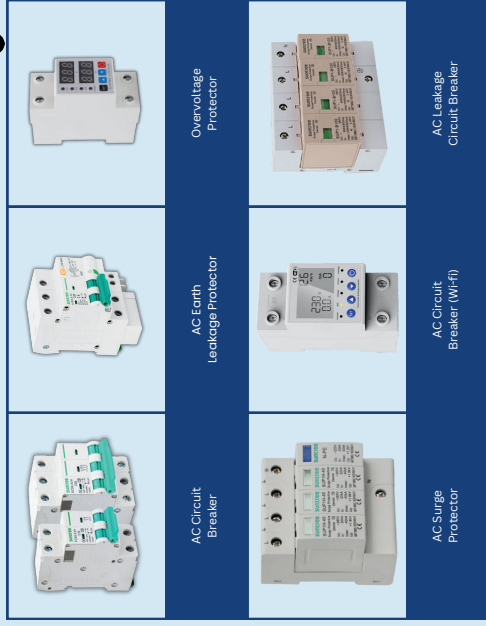


Schematic Diagram

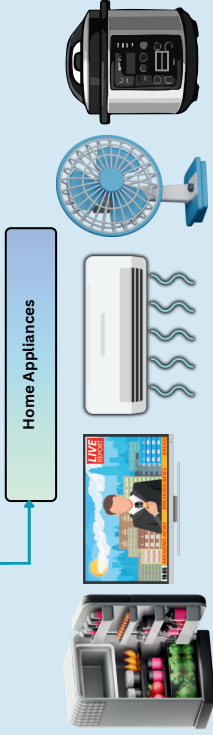
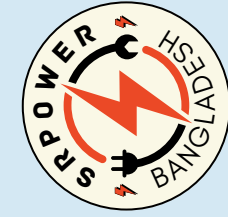
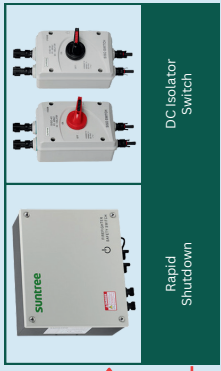
Smart Solar Home

Solar Panel

- System Longevity
- Easy Maintenance
- Safety & Protection
- Optimized Energy Flow
- Compliance & Standards
- Rapid Shutdown for Safety
- Efficient Power Management & Control
- Convenient Monitoring & Control
- Protection from Lightning & Surge



SR Power Smart Solar System
24/7 Power Supply
Advanced Li-Battery Pack
Smart Monitoring via Wi-Fi
Pure Sine Wave AC Output



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 overseas warehouse in the world and will build up more in next 3 years



30+

Cooperating with 30+ industry leading companies



Service Center



Question answer



System design



Installation
Instructions



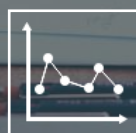
Product system
upgrade



Perfect warranty



Market
development
support



Technical
support for
bidding projects

EXCELLENT SERVICE

We provide comprehensive pre-sales support and after-sales service

At your service



CATALOG



Solar Controller



Solar Inverter



Inverter



Battery



Solar Panel



Accessories

HVM

Solar Inverter

1KW/1.5KW Output



- Supports pure sine wave inversion and bypass output.
- Max. output power up to 1500W.
- MPP tracking range between 20~150Vdc.
- Supports grid charging and solar charging.
- Max. charging current up to 80A.
- Built-in dust cover.
- Air-cooled forced heat dissipation.
- Built-in multiple protection functions.

Inverter Model	POW-HVM1K-12V		POW-HVM1.5K-24V	
AC Input				
Input Voltage Waveform	Sinusoidal (Utility or generator)			
Nominal Input Voltage	230Vac			
Max AC Input Voltage	300Vac			
Nominal Input Frequency	50Hz/60Hz			
Efficiency	>95% (Rated R load, battery fully charged)			
Switching Time	10ms			
AC Output (Off-grid)				
Rated Output Power	1000VA/1000W		1500VA/1500W	
Output Voltage Regulation	230Vac±5%			
Output Frequency	50Hz			
Peak Efficiency	94%			
Overload Protection	3s@ ≥ 150% Load; 5s@100%~150% Load			
Surge Capacity	2*rated power for 5 seconds			
No Load Power Consumption	<28W			
Battery Parameters				
Battery Type	Lithium and Lead Acid Battery, support user define			
System Voltage	12V		24V	
AC Charging & Solar Charging Mode				
Charging Algorithm	3 stages			
Max. AC Charging Current	40Amp (@VI/P=230Vac)			
Max. PV Array Power	600W		1200W	
PV Array Max. Power Point Tracking Range	20~150Vdc		30~150Vdc	
Max. PV Array Open Circuit Voltage	150Vdc			
Max. Charging Current (AC+PV)	80Amp			
General Parameters				
Operating Temperature Range	-10℃ ~50℃			
Storage Temperature	-15℃ ~60℃			
Dimensions	286x240x91mm			
Net Weight	3kg		3.5kg	

HVM Solar Inverter

2.0/3.2KW Output



- Pure sine wave inverter output.
- Supports double surge output for 1 seconds.
- Suitable for converting 12/24VDC to 230V $\pm$ 5% AC output.
- Max. charging current up to 140A.
- The RGB mode light allows for a clear observation of the inverter's operating mode.
- Configurable AC/Solar Charge priority via LCD setting.
- Supports grid charging and solar charging.
- Built-in anti-dust kit.
- Built-in multiple protection functions.

Inverter Model	POW-HVM2.0KW-12V	POW-HVM3.2KW-24V
AC Input		
Input Voltage Waveform	Sinusoidal (Utility or generator)	
Nominal Input Voltage	230Vac	
Max. AC Input Voltage	300Vac	
Nominal Input Frequency	50Hz/60Hz(Auto detection)	
Efficiency	>91%	>93%
Switching Time	10ms	
AC Output (Off-grid)		
Rated Output Power	2.0KVA/2.0KW	3.2KVA/3.2KW
Output Voltage Regulation	230Vac±5%	
Output Frequency	50Hz	
Peak Efficiency	91%	94%
Surge Capacity	2*rated power for 1 seconds	
Cold Start Voltage	11.5Vdc	23.0Vdc
Battery Parameters		
Battery Type	Lithium and Lead Acid Battery, support user define	
System Voltage	12V	24V
AC Charging & Solar Charging Mode		
Charging Algorithm	3 stages	
Max. AC Charging Current	80Amp (@VI/P=230Vac)	
Max. PV Array Power	900W	1800W
PV Array MPPT Range	20~150Vdc	30~150Vdc
Max. PV Array Open Circuit Voltage	150Vdc	
Max. Charging Current (AC+PV)	140Amp	
General Parameters		
Operating Temperature Range	-10℃ ~50℃	
Storage Temperature	-15℃ ~60℃	
Dimensions	415x290x111mm	
Net Weight	7.2kg	7.3kg

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.
- 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	230Vac	
Max AC Input Voltage	300Vac	
Nominal Input Frequency	50/60Hz (Auto detection)	
Efficiency	>95% (Rated R load, battery full charged)	
Transfer Time	10ms typical (UPS); 20ms typical (Appliances)	
AC Output (Buck-Up)		
Rated Output Power	4200W	6200W
Output Voltage Regulation	230Vac±5% Single phase	
Output Frequency	50Hz	
Peak Efficiency	93%	
Battery Specification		
Battery Type	Lithium and Lead Acid Battery, support user define	
System Voltage	24V	48V
AC Charge & PV Charge Mode		
Max AC Charging Current	100Amp (@VI/P=230Vac)	
Max. PV Array Power	6200W	6500W
PV Array MPPT Voltage Range	60-450V	90-500V
Max. PV Array Open Circuit Voltage	500Vdc	
Max Charging Current (AC+PV)	120Amp	
AC Output (On-Grid)		
Nominal Output Voltage	220/230/240Vac	
Feed-in Grid Voltage	195~253Vac	
Feed-in Grid Frequency	49~51±1Hz/59~61±1Hz	
Nominal Output Current	18.2A	26.9A
General Specification		
Operation Temperature Range	-10℃ ~50℃	
Dimension	110x334x423mm	
Net Weight	9.5kg	10kg

Hybrid Solar Inverter

10.2KW AC Output

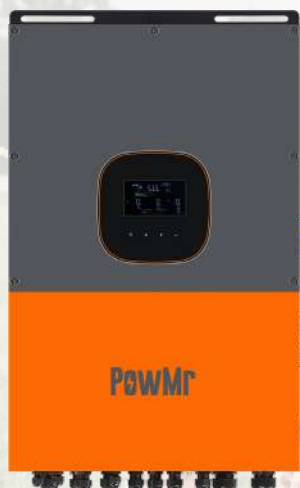


- On-grid and off-grid pure sine wave inverter.
- 90~500Vdc wide voltage range for PV access.
- 2 PV input, Max. solar input power up to 10200W.
- Higher output power up to 10200W.
- Compatible with 48V lithium-ion and lead-acid battery.
- Max. charging current can reach 160Amp.
- Maximum grid-tie conversion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

Inverter Model	POW-HVM10.2M
AC Input	
Input Voltage Waveform	Sinusoidal (Utility or generator)
Nominal Input Voltage	230Vac
Max. AC Input Voltage	300Vac
Nominal Input Frequency	50/60Hz (Auto detection)
AC Output (Back-Up)	
Rated Output Power	10.2KW
Output Voltage Regulation	230Vac±5% Single phase
Output Frequency	50Hz
Peak Efficiency	93%
No Load Power Consumption	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
Max. PV Array Power	10200W
PV MPPT Voltage Range	90~500Vdc
Max. PV Array Open Circuit Voltage	500Vdc
Max. Charging Current (AC+PV)	160Amp
AC Output (On-Grid)	
Nominal Output Voltage	220/230/240Vac
Feed-in Grid Voltage	195~253Vac
Feed-in Grid Frequency	49~51±1Hz/59~61±1Hz
Nominal Output Current	44.3A
General Specification	
Operation Temperature	-10°C ~50°C
Communication Interface	RS232 (WiFi)
Dimension	537x390x130mm
Net Weight	14.5kg

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 120Vac.
- 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, each with a 18A input, and a Max. PV input current of 30A.
- 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	41.7 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 798mm
Net Weight	49kg

Energy storage LiFePO4 Battery

30/50Ah 12.8V



- A wide range of battery models to meet diverse capacity needs.
- Supports both series and parallel connections.
- Designed with a lead-acid battery casing for easy system upgrades from lead-acid to lithium batteries.
- 3000/4000 cycle lifespan.
- Higher energy density compared to lead-acid batteries, with a smaller size and lighter weight.
- Simple and user-friendly installation.
- Ideal upgrade for lead-acid battery storage systems.
- Compact size, lightweight, improved space utilization.

Battery Models		POW-30AH-12.8V	POW-50AH-12.8V
Battery Specifications			
Battery Type		LiFePO4 Battery	
Nominal Voltage		12.8V	
Rated Capacity		30AH	50AH
Rated Energy		384Wh	640Wh
Operating Voltage Range		10.8~14.4V	10.8~14.4V
Charging Voltage		14.4V	14.4V
Max. Charging Current		30A	50A
Max. Discharging Current		30A	50A
Max. No. of Series Connections		4 PCS	4 PCS
Max. No. of Parallel Connections		4 PCS	4 PCS
General Parameters			
Cycle Life		3000 times (0.2C, 25° C@80% DOD)	4000 times (0.2C, 25° C@80% DOD)
Casing Material		ABS	
Operating Temperature	Charging	0°C ~60°C	0°C ~60°C
	Discharging	-10°C ~60°C	-10°C ~60°C
Storage Temperature		-30°C ~50°C	-30°C ~50°C
Dimension		124x164x172mm	138x213x229mm
Net Weight		4kg	6kg

Energy storage LiFePO4 Battery

100~150Ah 12.8V



- A wide range of battery models to meet diverse capacity needs.
- Supports both series and parallel connections.
- Ideal upgrade for lead-acid battery storage systems .
- 6000 cycle lifespan.
- Compact size, lightweight, improved space utilization.
- Simple and user-friendly installation.



Battery Model		POW-100AH-12.8V-MINI	POW-100AH-12.8V	POW-150AH-12.8V
Battery Specifications				
Battery Type		LiFePO4 battery		
Nominal Voltage		12.8V		
Rated Capacity		100AH	100AH	150AH
Rated Energy		1280Wh	1280Wh	1920Wh
Operating Voltage Range		10.8~14.6V	10.8~14.6V	10.8~14.6V
Charging Voltage		14V	14.6V	14.6V
Max. Charging Current		100A	100A	100A
Max. Discharging Current		100A	100A	100A
Max. No. of Series Connections		4 PCS	4 PCS	4 PCS
Max. No. of Parallel Connections		4 PCS	4 PCS	4 PCS
General Parameters				
Cycle Life		6000 times (0.2C, 25° C@80% DOD)		
Casing Material		ABS		
Operation Temperature	Charging	0°C ~55°C	0°C ~55°C	0°C ~55°C
	Discharging	-20°C ~55°C	-20°C ~55°C	-20°C ~55°C
Dimension		260x169x211mm	325x170x215mm	330x171x215mm
Net Weight		10kg	11.5kg	15kg

Energy storage LiFePO4 Battery

100~300Ah 12.8V/25.6V



-
- A wide range of battery models to meet diverse capacity needs.
 - Supports both series and parallel connections.
 - Ideal upgrade for lead-acid battery storage systems.
 - 6000 cycle lifespan.
 - Compact size, lightweight, improved space utilization.
 - Simple and user-friendly installation.

Battery Model		POW-200AH -12.8V	POW-300AH -12.8V	POW-100AH -25.6V
Battery Specifications				
Battery Type		LiFePO4 battery		
Nominal Voltage		12.8V	12.8V	25.6V
Rated Capacity		200AH	300AH	100AH
Rated Energy		2560Wh	3840Wh	2560Wh
Operating Voltage Range		10.8~14.6V	10.8~14.6V	21.6~29.2V
Charging Voltage		14V	14.6V	29.2V
Max. Charging Current		200A	200A	100A
Max. Discharging Current		200A	200A	100A
Max. No. of Series Connections		4 PCS	4 PCS	2 PCS
Max. No. of Parallel Connections		4 PCS	4 PCS	2 PCS
General Parameters				
Cycle Life		6000 times (0.2C, 25° C@80% DOD)		
Casing Material		ABS		
Operation Temperature	Charging	0°C ~55°C	0°C ~45°C	0°C ~45°C
	Discharging	-20°C ~55°C	-20°C ~60°C	-20°C ~60°C
Dimension		485x170x240mm	522x240x218mm	485x170x240mm
Net Weight		19kg	30kg	21kg

Floor-standing LiFePO4 Battery

280Ah Rated Capacity



- No installation required.
- The Foma casters wheels at the bottom of the inverter are durable and flexible.
- Supports up to 16 units in parallel.
- 200A charge/discharge current.
- Built-in BMS ensures safe and efficient system operation.
- Smart touchscreen facilitates monitoring battery data.
- 6000 cycle lifespan.
- Comprehensive protection functions.
- Easily compatible with communication protocols of most inverter brands.



Battery Models	POW-LIO48300-16S		
System Voltage	51.2V		
Capacity	280Ah		
Nominal Energy	14.336KWh		
Constant Voltage charging Voltage	58.4V		
Max. Discharging Cutoff Current	43.2V		
Recommended Discharge Cutoff Voltage	48V		
Max. Charging Current	200A		
Max. Discharging Current	200A		
Max. Parallel Connection of Batteries	16		
Communication Interface	RS232/RS485/CAN/Dry Contact		
Cycle Life	≥ 6000 Times @80%DOD,25° C		
Operating Temperature	Charging:0~60℃ ; Discharging: -10℃ ~ 65℃		
Nominal Operation Altitude	< 2000m		
Nominal Operation Humidity	<90%RH		
IP Grade	IP21		
Recommended Operation Environment	Indoor		
BMS communication protocol matching			
			
			
			
			

High-voltage LiFePO4 Battery

20~100 kWh



- LiFePO4 battery for enhanced safety and extended lifespan.
- Three-layer architecture (BMU + RBMS + SBMS) for comprehensive protection.
- Air conditioning, fans, and fire suppression system in the battery module.
- Standard 19-inch rack design for easy installation and maintenance.
- User-friendly touchscreen interface with multiple communication protocols.
- USB software upgrade for convenience.
- Modular design with 5.12kWh per battery module.
- Configurable from 4 to 14 modules in series.
- Scalable capacity supporting up to 8 clusters in parallel.



Battery Model	POW-HVC-20	POW-HVC-30	POW-HVC-50	POW-HVC-100
Nominal Voltage	204.8V	307.2V	512V	1024V
Rated Capacity	100Ah			
Battery Module Qty in Series	4	6	10	20
Nominal Energy	20.48kWh	30.72kWh	51.2kWh	10.24kWh
Charging Voltage	220.8~230.4V	331.2~345.6V	552~576V	1104~1152V
Discharge Cut-off Voltage	172.8V	259.2V	432V	608.4V
Float Charging Voltage	217.6~220.8V	326.4~ 331.2V	544~552V	1088~ 1104V
Max. Charging Current	100A			
Recommended Charging Current	20A			
Max. Discharging Current	100A			
Recommended Discharging Current	20A			
Status Indicator	RUN-Green Light; Alarm-Red Light			
Operating Temperature	Charge: 0~55°C ; Discharge: -20~60°C			
Storage Temperature	0°C ~45°C			
Communication Interface	CAN/RS485			
Cycle Life	≥ 4000 cycles at 0.5C/0.5C, 25°C			
IP Rating	IP20			
Certification	IEC62619, UN38.3, MSDS			
Warranty	5 years			

General Parameter of System Components

RBMS

Dimension(W/D/H)	482x500x182mm
Weight Approx.	22kg

LiFePO4 Battery Module-51.2V100Ah

Dimension(W/D/H)	442x560x134.5mm
Weight Approx.	43kg

SBMS

Dimension(W/D/H)	272x160x62mm
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MPPT Solar Controller

60A Charging



- 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. Input Power:	
For 12V System	720W
For 24V System	1440W
For 36V System	2100W
For 48V System	2800W
Input Voltage Range:	
For 12V System	20V~80V
For 24V System	37V~105V
For 36V System	50V~160V
For 48V System	72V~160V
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	990g / 2.18lb
Electromagnetic Compatibility	EN61000, EN55022, EN55024
Protection Level	IP21
Operating Temperature	-20°C ~ +55°C / -4 °F ~ 131 °F
Storage Temperature	-40°C ~ +75°C / -40 °F ~ 167 °F

Solar Charger Inverter

POW-HVM1K-12V
POW-HVM1.5K-24V

220V; Single phase; Off-grid



POW-HVM2H-12V-N
POW-HVM3.2H-24V-N

220V; Single phase; Off-grid



POW-HVM2.0KW-12V
POW-HVM3.2KW-24V

230V; Single phase; Off-grid



POW-RELAB 3KE
POW-RELAB 5KE
POW-RELAB 10KE

220V; Single phase; Off-grid



POW-HVM3.5K-24V

220V; Single phase; Off-grid



POW-HVM4.2M-24V-N
POW-HVM6.2M-48V-N

220V; Single phase;
Off-grid; 2 AC output



POW-HVM6.2K-48V-LIP

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



POW-HVM6.2K-PRO

220V; Single phase; Off-grid;
2 AC input; 2 AC output



POW-HVM6200W-48V

220V; Single phase; Off-grid



**POW-SunSmart 8KL3
POW-SunSmart 10KL3
POW-SunSmart 12KL3**

220V; Single/three phase;
2 MPPT; Off-grid



**POW-SunSmart 8KPL3
POW-SunSmart 10KPL3
POW-SunSmart 12KPL3**

220V; Single/three phase; 2 MPPT;
Off-grid; Max. Parallel: 6



POW-HVM10.2M

220V; Single phase;
Off-grid; 2 AC output



POW-HVM11K-48V

220V; Single phase; Off-grid;
2 AC output



SOLXPOW X3-12/20K

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



SOLXPOW X4-30/50K

220V; Three phase; On-grid &
off-grid; 4 MPPT



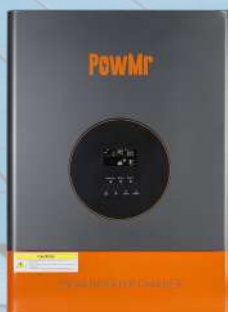
**POW-HV2.5K-12V-EU
POW-HV3.5K-12V-EU**

220V; Single phase; Off-grid



**POW-RELAB 3KU
POW-RELAB 5KU
POW-RELAB 10KU**

110V; Single phase; Off-grid



**POW-RELAB 3KU-SPLIT
POW-RELAB 5KU-SPLIT
POW-RELAB 10KU-SPLIT**

110V; Single/split phase; Off-grid



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

110V; Single phase; Off-grid



POW-LVM3.2K-24V

110V; Single phase; Off-grid



POW-SunSmart SP5K

110V; Single/split phase;
Off-grid; Max. parallel: 6



POW-SunSmart 6.5KP

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



POW-SunSmart 10K
POW-SunSmart 10KP

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



POW-SunSmart LV12K

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



POW-LV2.5K-12V
POW-LV2.5K-24V
POW-LV3.5K-12V
POW-LV3.5K-24V

110V; Single phase; Off-grid



Energy Storage Battery

POW-30/50AH-12.8V

Up to 4 sets in parallel;
Up to 4 sets in series



POW-100AH-12.8V-MINI

Up to 4 sets in parallel;
Up to 4 sets in series



POW-100AH-12.8V

Up to 4 sets in parallel;
Up to 4 sets in series



POW-150AH-12.8V

Up to 4 sets in parallel;
Up to 4 sets in series



POW-200AH-12.8V

Up to 4 sets in parallel;
Up to 4 sets in series



POW-300AH-12.8V

Up to 4 sets in parallel;
Up to 4 sets in series



POW-100AH-25.6V

Up to 2 sets in parallel;
Up to 2 sets in series



POW-LIO48100-16S POW-LIO48200-16S

Up to 16 units in parallel;
Wall-mounted



POW-LIO48300-16S

Up to 16 units in parallel;
Floor-standing



POW-HVB SERIES

Up to 5 units in series; Stackable;
High-voltage



POW-HVC SERIES

20~100 kWh; 100Ah; High Voltage



POW ESS-P100B215

215kWh; 280Ah; High Voltage



Battery Accessory

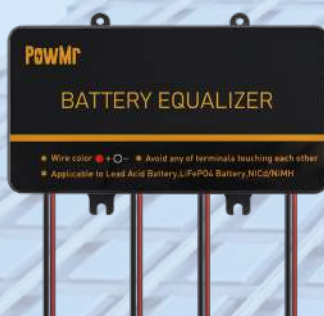
BE24

Gel/Flood/AGM;



BE48

VRLA/LFP/Ni/CD/Ni/MH



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-LTW-15A

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



POW-Keeper-1220 POW-Keeper-1230 POW-Keeper-1240

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



Pstar-30A Pstar-60A Pstar-80A

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



POW-M25-PRO POW-M35-PRO POW-M45-PRO

MPPT; 12/24V;
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



POW-M60-ULTRA

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



HHJ60-PRO

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



POW-M80-PRO POW-M100-PRO

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



ACCESSORIES



98/164/230/328FT



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



10/20/30/40/50FT



YRDS1EL-N32-4



TGZ40-AC275V-2P



MC4B-C2



Breaker 30-100A



Breaker 60-300A



Breaker 2P Dc/Ac 16-100A



DC Electricity Usage Monitor



AC Electricity Usage Monitor



Blade Fuse Block

Solar Connector



MC4X-BN2



MC4T-AN2



MC4T-AN3



MC4T-AN4



MC4T-AN5



MC4T-AN6



MC4Y-BN4



MC4Y-BN2



MC4Y2-B22



MC4-pliers1/2



MC4D-7



MC4D-4/6



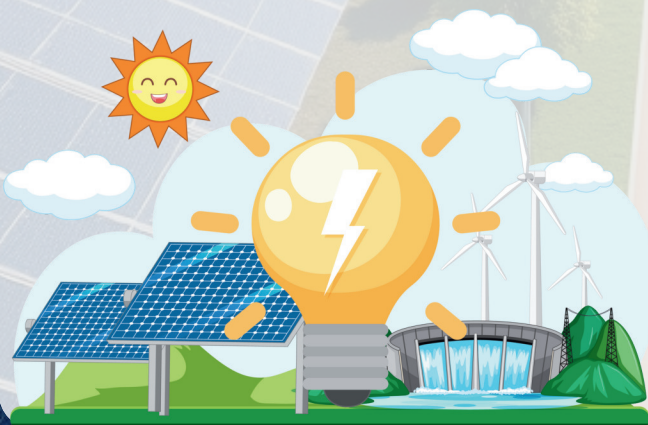
Solar Power Usage Guidelines

🔧 System Planning & Installation

- ✓ **Assess Energy Needs:** Calculate daily energy consumption to determine the right system size.
- ✓ **Proper Panel Placement:** Install solar panels facing south (in the Northern Hemisphere) for maximum sunlight exposure.
- ✓ **Avoid Shading:** Keep panels free from obstructions like trees or buildings to ensure optimal performance.
- ✓ **Use High-Quality Components:** Invest in certified solar panels, inverters, and batteries for reliability and durability.
- ✓ **Professional Installation:** Hire a qualified technician for safe and efficient setup.

⚡ Optimizing Solar Power Usage

- ✓ **Use Energy-Efficient Appliances:** Reduce power consumption by using LED lights, energy-saving fans, and inverter-based devices.
- ✓ **Time Your Energy Use:** Use high-power appliances (e.g., washing machines, water pumps) during peak sunlight hours for direct solar utilization.
- ✓ **Battery Management:** If using a battery storage system, avoid deep discharge and maintain optimal charging levels for longevity.
- ✓ **Monitor Your System:** Use WiFi/GPRS monitoring to track performance and detect issues early.



Why Choose a Solar System?

- ✓ Reduces electricity costs
- ✓ Eco-friendly
- ✓ Reduces carbon footprint
- ✓ Low maintenance
- ✓ Long lifespan
- ✓ Provides energy independence
- ✓ Scalable & customizable

🔧 Maintenance & Safety

- ✓ **Regular Cleaning:** Clean solar panels every 1-3 months to remove dust, dirt, and bird droppings.
- ✓ **Check Connections:** Inspect wiring, inverters, and batteries for loose connections or corrosion.
- ✓ **Protect from Surges:** Use surge protectors to safeguard the system from lightning and power fluctuations.
- ✓ **Temperature Management:** Keep inverters and batteries in well-ventilated areas to prevent overheating.
- ✓ **Annual Inspection:** Get a professional check-up at least once a year to ensure optimal performance.



Call us for more info
+880 1810 739 739