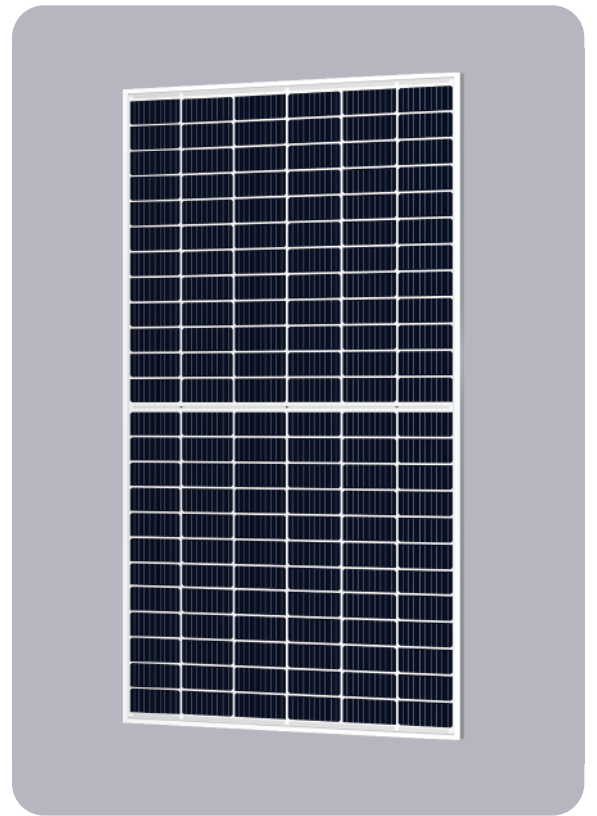




**SunStonePower**



## **SUNSTONE POWER INDUSTRY CO., LTD.**

Lead-acid Battery & Lithium-iron Battery  
Manufacturer Since 2003

[www.sunstonepower.com](http://www.sunstonepower.com)  
[www.sunstonepower.de](http://www.sunstonepower.de)

## Company Profile

Sunstone Power Industry Co., Ltd was established in 2003. So far we have more than 20 years of history of production, marketing batteries for UPS, Solar system and Telecom application worldwide. We started as a Lead Acid Battery manufacturer and from 2018 we entered into LiFePO4 battery production and also developed the BMS system by ourselves. Since we own all software and hardware of BMS design, we can set up communication between our LiFePO4 battery bank with any other types of equipment such as rectifier, inverter, etc.

Besides this, we set up our Germany company in Frankfurt since 2017 and Indonesia company in Jakarta since the end of 2018. We have our own warehouse in both these two countries. This can give local support and fast delivery to European and South-East Asian Markets.



## Products Line

### 1. Solar Module

SPM series: Monocrystalline solar module.

SPMF series: Flexible monocrystalline solar module.

SPMF-P series: Foldable monocrystalline solar module.

### 2. MPPT Charge Controller

SMC series: 20~60A charge current, suitable for 12V/24V/36V/48V system.

SME series: 20~50A charge current, suitable for 12V/24V system.

### 3. Battery Charger

SCLA series: 1.5A charge current, suitable for 6V/12V lead-acid battery.

SCLL series: 6A charge current, suitable for 12V lead-acid & LiFePO4 battery.

SCLP series: 10A/20A charge current, suitable for 12V LiFePO4 battery.

### 4. Inverter

SIH series: Suitable for 12V off-grid system.

SMCIH-H series: Suitable for 24V/48V off-grid system.

SMCIH-HBH(S)/(T) series: Suitable for 48V single-phase/three-phase hybrid system.

### 5. Power Station

SPS series: High-capacity, powerful portable energy storage.

## Solar Module

The modules are composed of high-efficiency solar cells, and a series of quality performance tests are carried out in accordance with strict quality standards during the production process to ensure that the modules can work normally in various harsh environments and to ensure the maximum output power of the modules when generating electricity.



Model	Pmax (W)	Module Efficiency (%)	Dimension						Weight (KG)
			L		W		H		
			mm	in	mm	in	mm	in	
SPMF90-P	90	18.26	1075	41.9	560	21.8	4	0.2	1.1
SPMF100	100	14.7	1200	46.8	540	21.1	4	0.2	1.9
SPM100	100	14.7	1000	39.0	510	19.9	30	1.2	5.2
SPM200	200	18.15	1480	57.7	670	26.1	35	1.4	10.0
SPM340	340	20.2	1658	64.7	996	38.8	35	1.4	17.0
SPM450	450	20.4	2108	82.2	1048	40.9	35	1.4	25.0

## Solar Module Accessories

Suitable for solar panel installation on roofs, garden sheds, RVs, etc.



Model	Attribute	Dimension						Weight (KG)
		L		W		H		
		mm	in	mm	in	mm	in	
Solar modul holder	/	550	21.5	/	/	/	/	2.0
Solar modul holder set 5 pcs	/	/	/	/	/	/	/	0.9
Solar modul holder set 7 pcs	/	/	/	/	/	/	/	1.3
MC4 connector	/	/	/	/	/	/	/	0.1
Battery cable	25mm <sup>2</sup>	Customized						
Solar cable	4mm <sup>2</sup> /6mm <sup>2</sup>	Customized						

## Charge Controller

The charge controllers are suitable for various lead batteries and lithium batteries. Users can set the charging parameters according to their needs. The use of the MPPT (Maximum Power Point Tracker) algorithm leads to a substantial improvement in the efficiency of the system energy use and a charging efficiency that is 30% higher than that of the PWM method. Different tracking algorithms work together so that the best working point from the I-V curve is localized quickly.



Model	System Voltage (V)	Rated Charging Current (A)	Dimension						Weight (KG)
			L		W		H		
			mm	in	mm	in	mm	in	
SME24-20	12/24	20	150	5.9	105.6	4.1	61.5	2.4	0.7
SME24-30	12/24	30	150	5.9	105.6	4.1	67.5	2.6	0.8
SME24-40	12/24	40	183	7.1	127	5.0	65.5	2.6	1.0
SME24-50	12/24	50	183	7.1	127	5.0	69.5	2.7	1.3
SMC24-20	12/24	20	210	8.2	151	5.9	59.5	2.3	1.4
SMC24-30	12/24	30	238	9.3	173	6.7	72.5	2.8	2.0
SMC24-40	12/24	40	238	9.3	173	6.7	72.5	2.8	2.0
SMC48-60	12/24/36/48	60	285	11.1	205	8.0	93	3.6	3.6

## Charge Controller Accessories

BT-1 & BT-2 Bluetooth are applicable to the SMC and SME series respectively. RM-6 LCD display is applicable to the SME series.



Model	System Voltage (V)	Rated Charging Current (A)	Dimension						Weight (KG)
			L		W		H		
			mm	in	mm	in	mm	in	
BT-1 Bluetooth	/	/	66	2.6	51	2.0	15.5	0.6	0.1
BT-2 Bluetooth	/	/	67.3	2.6	36	1.4	15.5	0.6	0.1
RM-6 LCD Display	/	/	104.5	4.1	55.5	2.2	11.8	0.5	0.1

## Battery Charger

The chargers offer perfectly trimmed charging curves and different charge currents for lead-acid batteries and LiFePO4 batteries. They are structurally stable and reliable and can provide overcharge protection, overload protection, overheat protection, overvoltage protection, short circuit protection, etc.



Model	Limited Voltage (V)	Output (AH)	Dimension						Weight (KG)
			L		W		H		
			mm	in	mm	in	mm	in	
SCLA6/12-1.5	14.7	1.5	140	5.5	80	3.1	80	3.1	0.3
SCLL12-6C	14.9	6	240	9.4	110	4.3	70	2.7	0.7
SCLP12-10	14.4	10	230	9.0	145	5.7	63	2.5	1.0
SCLP12-20	14.4	20	173	6.7	90	3.5	51	2.0	1.3

## Car Inverter

The SIH series is a vehicle-mounted inverter with pure sine wave outputs. The outputs includes dual AC sockets, dual USB ports and a type-C Quick Charging port. The inverter has built-in complete protection circuits, as well as an LCD screen that can display battery voltage and power, output voltage, frequency and power, etc. In addition, it also has input reverse polarity protection.



Model	System Voltage (V)	Rated Power (W)	Dimension						Weight (KG)
			D		W		H		
			mm	in	mm	in	mm	in	
SIH1200-12V	12	1200	90	3.5	290	11.3	170	6.6	1.5

## Off-grid Inverter

The SMCIH-H series is a multifunctional charger inverter that combines the functions of the inverter, solar charger, and battery charger to provide an uninterruptible power supply in a portable size. The LCD display enables configurable and directly accessible key usage such as battery charging current, solar charger priority, and permissible input voltage based on different applications.



Model	System Voltage (V)	Rated Power (W)	Dimension						Weight (KG)
			D		W		H		
			mm	in	mm	in	mm	in	
SMCIH120-4KW-24V-H	24	4000	115	4.5	300	11.7	400	15.6	9.0
SMCIH120-6KW-48V-H	48	6000	115	4.5	300	11.7	400	15.6	10.0
SMCIH120-8KW-48V-H	48	8000	147.4	5.7	432.5	16.9	553.6	21.6	18.4
SMCIH150-11KW-48V-H	48	11000	147.4	5.7	432.5	16.9	553.6	21.6	18.4

## Hybrid Inverter

The SMCIH-HBH series is a flexible and intelligent hybrid inverter that utilizes solar power, AC utility, and battery power source to supply continuous power. It has programmable multiple operations modes: off-grid, grid-tie, and grid-tie with backup. Moreover, the three-phase inverter can connect up to six units in parallel to achieve various power demands.



Model	System Voltage (V)	Rated Power (W)	Dimension						Weight (KG)
			D		W		H		
			mm	in	mm	in	mm	in	
SMCIH60-5.5KW-48V-HBH(S)	48	5500	110	4.3	450	17.6	445	17.4	16.0
SMCIH200-10KW-48V-HBH(T)	48	10000	167.2	6.5	500	19.5	622	24.3	40.0
SMCIH300-15KW-48V-HBH(T)	48	15000	219	8.5	650	25.4	820	32.0	62.0

## Power Station

The SPS series is high-capacity and small size but powerful portable energy storage. It can be charged by an AC adapter charger or solar panel. In addition, it provides not only stand USB-A output, QC USB-A, and USB-C PD output, and DC, AC output, and LED lamps, but also supports pass-through to DC mode.



Model	AC Output (W)	Capacity (WH)	Dimension						Weight (KG)
			L		W		H		
			mm	in	mm	in	mm	in	
SPS518Wh-600W	600	518	205	8.0	142	5.5	215	8.4	4.8
SPS999Wh-1200W	1200	999	245	9.6	185	7.2	245	9.6	8.9

## Contact Us

### **Yunnan SunStone Power Technology Industry Co.,Ltd**

#### **Factory**

Address: Erjie Industrial Zone, Jinning Dist., Kunming City, Yunnan P.R., China

### **Shenzhen Sunstone Power Technology Co., Ltd.**

#### **Office**

Address: Room 1803A, Hall B, Tiley Central Plaza, Nanshan Dist., Shenzhen City, China

E-mail: [info@sunstonepower.com](mailto:info@sunstonepower.com)

Web: [www.sunstonepower.com](http://www.sunstonepower.com)

Tel: +86-755-86511682

### **Sunstone Power Industrial GmbH**

#### **Office/Warehouse**

Address: Dieselstr. 16, 61239 Ober-Mörlen, Germany

E-mail: [info@sunstonepower.de](mailto:info@sunstonepower.de), [jan@sunstonepower.de](mailto:jan@sunstonepower.de)

Web: [www.sunstonepower.de](http://www.sunstonepower.de)

Tel: +4960029926556, +49-1787335180

### **PT. Solid Power Energi Indonesia**

#### **Office/Warehouse**

Address: Komplek Duta Indah Iconic, Blok. C No. 2 Jl. MH Thamrin KM.2 Kebon Nanas, Tangerang 15143 INDONESIA

E-mail: [andry@solidpower.co.id](mailto:andry@solidpower.co.id)

Web: [www.solidpower.co.id](http://www.solidpower.co.id)

Tel: +6221-5972-9159