



# Solar products & solar solution

GUANGDONG SUIMING PHOTOELECTRIC CO.,LTD

# ABOUT SUIMING



## FOR MANUFACTURERS

SUIMING IS THE LEADING PROFESSIONAL SOLAR ENERGY PRODUCT MANUFACTURER. WE HAS OUR OWN DEVELOP DEPARTMENT FOR THE SOLUTION OF ALL THE SOLAR ENERGY PRODUCT. WE GARANTY QUALITY AND CUSTOMER SATISFLY SERVICE.



## FOR SERVICE

SUIMING HAS COOPERATE WITH LOTS OF GOVERMENT PROJECTS IN THE OVERSEA MARKET, FOR THE AFTER SALES SERVICE IS ALL OVER AROUND THE WORLD.

***SUIMING ENERGY IS YOU BEST BEST CHOICE !***

# CONTENT

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- ✔ SOLAR HOME SYSTEM
- ✔ SOLAR SYSTEM SOLUTION
  - \*OFF GRID SOLAR SYSTEM
- ✔ SOLAR DC HOME APPLIANCE


# SM-9001

SOLAR HOME SYSTEM KITS




# SM-9001


SOLAR HOME SYSTEM KITS



**CHARGE CONTROLLER**  
regulates the power during the battery charging and auto cuts when battery gets completely charged

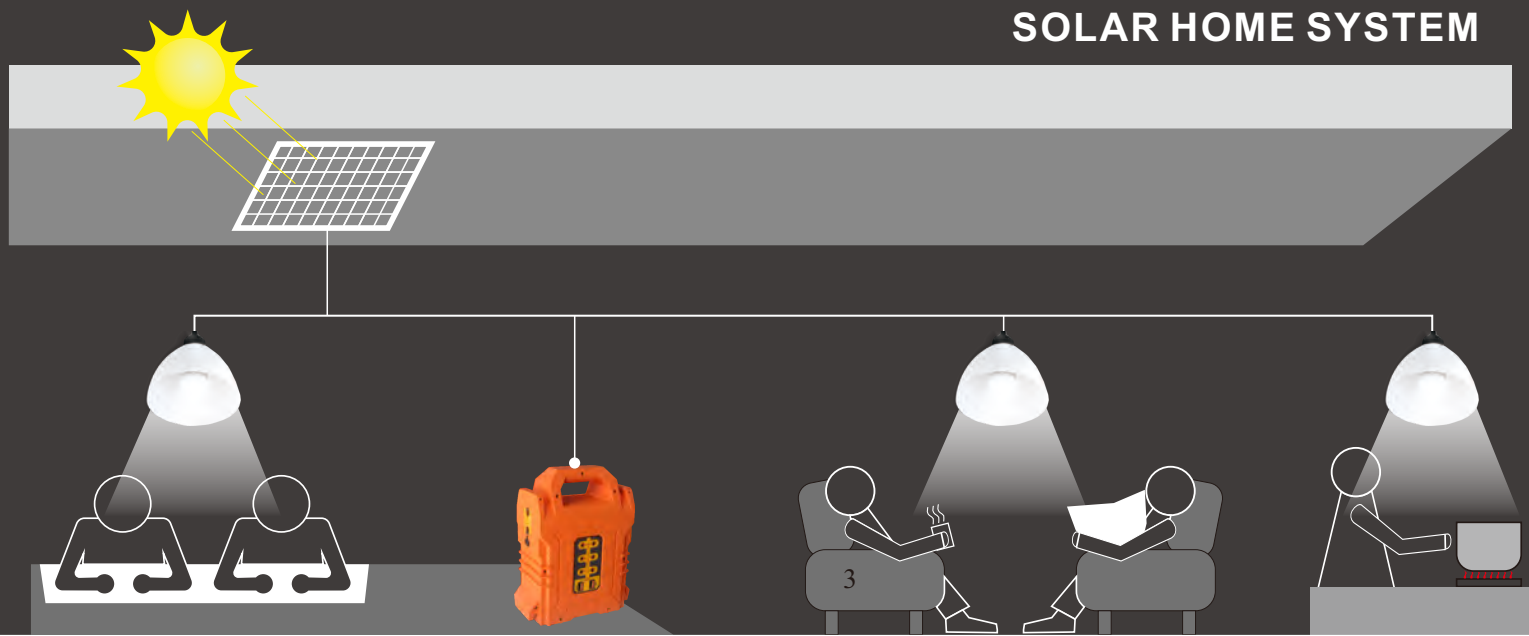


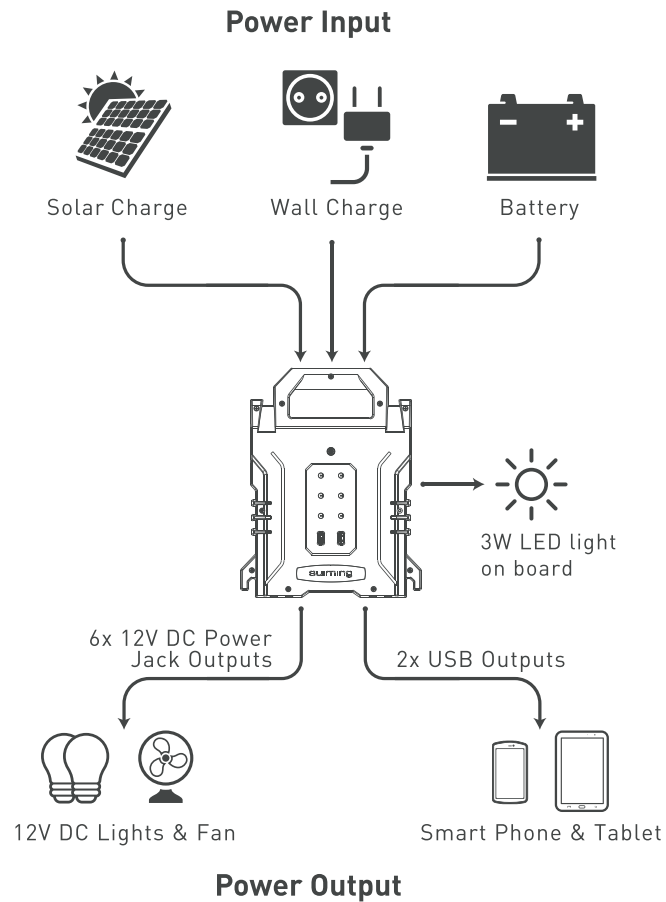
**OUTPUT OVERLOAD PROTECTION**  
smart technology protects during output overload and device from short circuits



**GRID CHARGING**  
has able to charge it from mains as well. You can choose for either solar or grid charging facility

**0%**  
**ZERO IDLE CURRENT**  
smartly designed to consume zero power from the battery while in idle condition





**Model** SM-SS9001B

Nominal System Voltage	12.8 V
Battery Type	Rechargeable
Battery Capacity	7.5Ah/90Wh
Solar panel	18V/10W
Charging Current	2A Max
Load Current	3.5A Max
Working Temperature	-20 to +50 °C
Power jack output	12V/ max 2A each
USB Outlet	5V/ max1.5A each
Size	285x200x106mm
Connectors	Jack (5.5/2.5mm) USB: USB-A
Charing time	10-12H

**LED Bulb lamps**

Power (+/-0.5W)	3W
Voltage	12VDC
Nominal Lumen Output	260 lm
Light Color/Temperature	6500K (+/-10%)
CRI	>80
LED Lifespan	>30.000 h



Two regular colors available, customized color also available



# SM-2401

SOLAR HOME SYSTEM KITS





# SM-2401

SOLAR HOME SYSTEM KITS



## CHARGE CONTROLLER

regulates the power during the battery charging and auto cuts when battery gets completely charged



## OUTPUT OVERLOAD PROTECTION

smart technology protects during output overload and device from short circuits



## GRID CHARGING

has able to charge it from mains as well. You can choose for either solar or grid charging facility

# 0%

## ZERO IDLE CURRENT

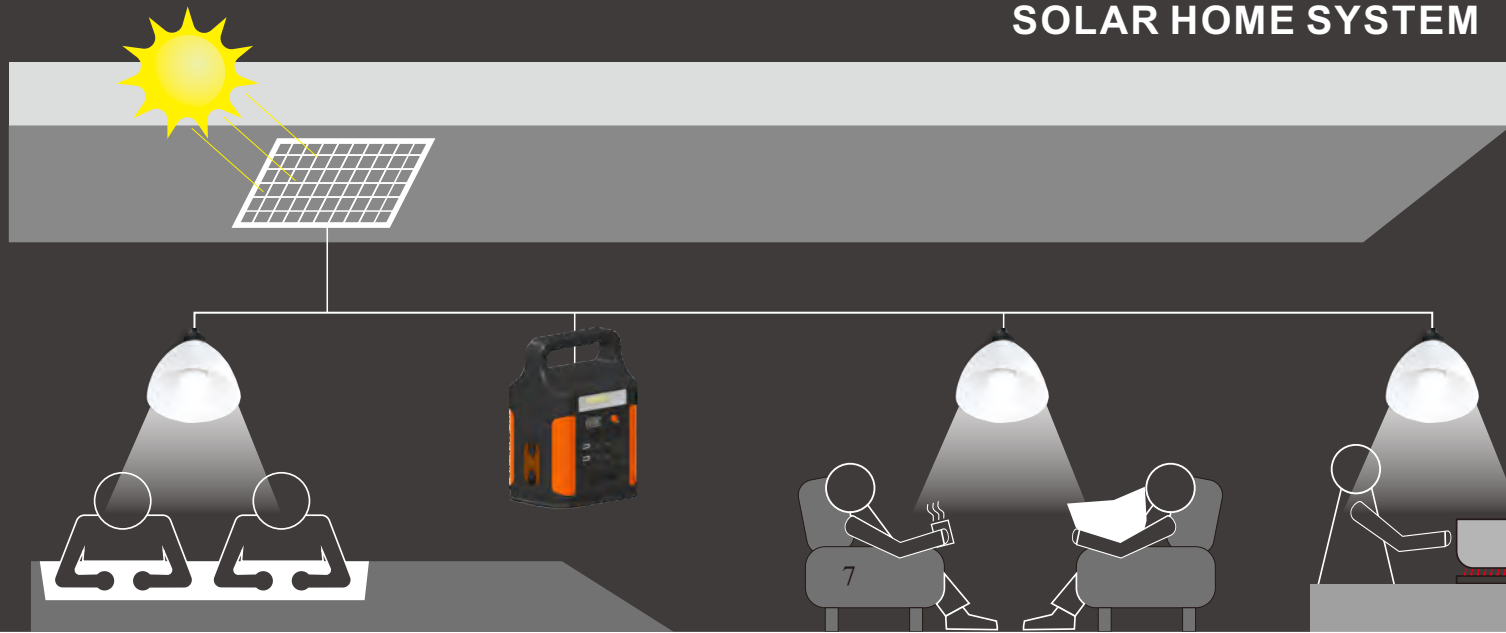
smartly designed to consume zero power from the battery while in idle condition

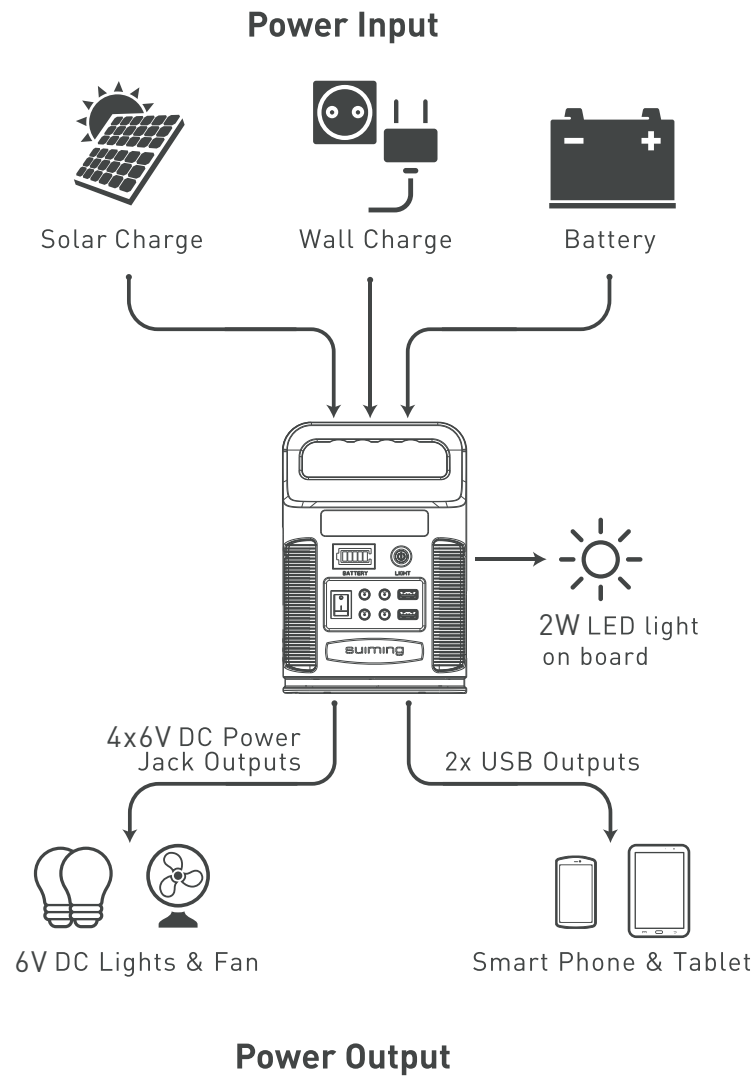


Mp3 Player & Radio



## SOLAR HOME SYSTEM





## Model

SM-2401

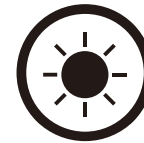
Nominal System Voltage	6V
Battery Type	Rechargeable
Battery Capacity	4Ah/24Wh
Solar panel	9V/3W
Charging Current	2A Max
Load Current	3.5A Max
Working Temperature	-20 to +50 °C
Power jack output	6V/ max1.5A each
USB Outlet	5V/ max1.5A each
Size	203x138x105mm
Connectors	Jack (5.5/2.5mm) USB: USB-A
Charing time	8-10H

## LED Bulb lamps

Power (+/-0.5W)	2W
Voltage	6VDC
Nominal Lumen Output	260 lm
Light Color/Temperature	6500K (+/-10%)
CRI	>80
LED Lifespan	>30.000 h

# SMHBT1512

SOLAR MOTION LIGHT



MPPT Charging



5W LED Lighting max



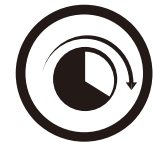
Remote Sensor



3 Modes of Lighting

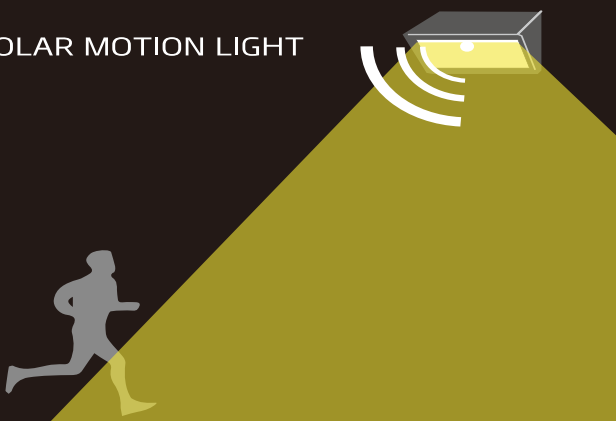


Brightness Dimming

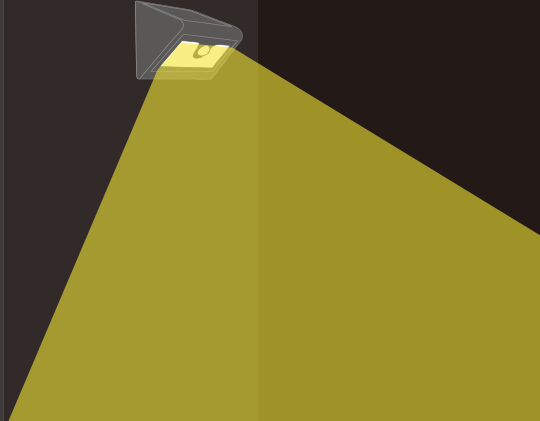


Runtime Dimming

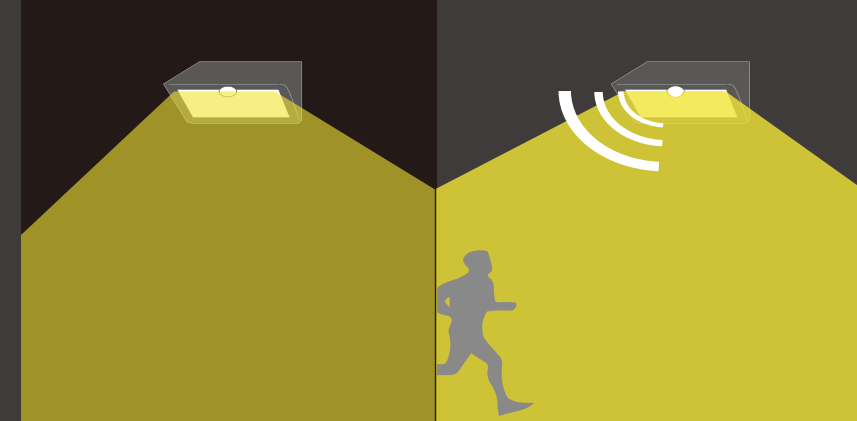
SOLAR MOTION LIGHT



Mode 1: Sensor Light Mode



Mode 2: Street Light Mode



Mode 3: Street Light + Sensor Mode

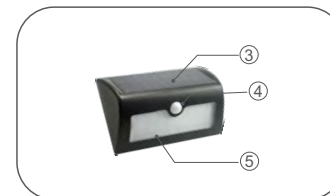
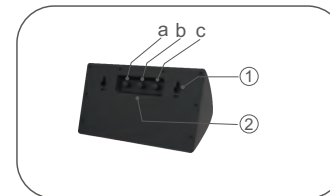
# SMHBT1512

SOLAR MOTION LIGHT



## Technical parameter

Model:	SMHBT1512
Solar panel power:	2W
Battery:	3.7V/4400mAh
Output Power:	1-5W
LED:	0.2W 60mA/28LM/SMD2835*40PCS
Luminous flux:	500lm
PIR sensing angle:	120 degrees
Sensing distance:	Sensing range 5-10M
Protection level:	IP65



## Assembly Instructions

1. The fixing holes
2. Different Mode Options
  - a. Mode Selection
  - b. Dimming the runtime of lighting
  - c. Dimming the brightness of lighting
3. Solar panel
4. Remote sensor
5. LED lamp

# SM-WL016S1

SOLAR LED WALL LAMP



- **Free Electric Charge!**
- **High brightness!**
- **Long Lifespan!**



HIGH  
BRIGHT



HIGH  
EFFICACY



IP64  
GRADE



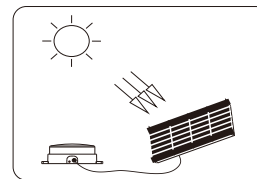
ECO  
FRIENDLY



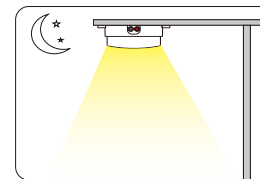
EASY  
INSTALL

# SM-WL016S1

## SOLAR LED WALL LAMP

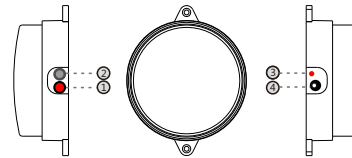


Best Sunshine: 10:00am-4:00pm



Can work 12 to 36 hours

### Functional description :



- ① Switch
- ② Signal receiver
- ③ Indicator light
- ④ Charging interface  
DC6V 0.5A Max 1.5A

### Product parameters :

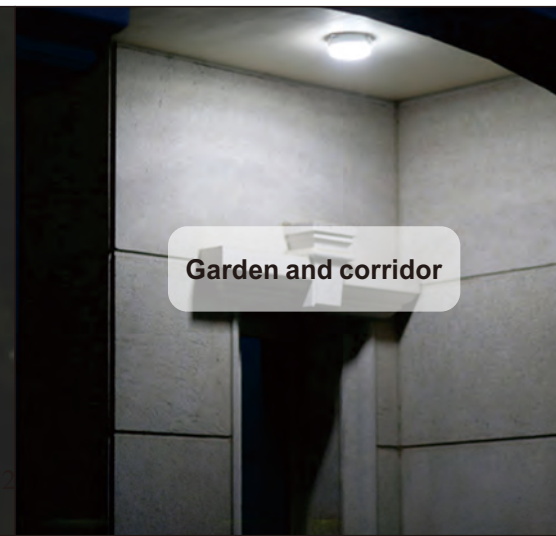
- Battery Type : lithium ion
- Capacity : 3.7V 3000/6000mAh
- Longevity : 800 cycles
- Operating temperature : 0~45°C
- Detection distance : 3~5 Meters
- Solar Panel Power Rating :  
Poly crystal DC 6V 3W/6W
- LED type : SMD 5730 ( 10×0.5W/PCS,  
20×0.5W/PCS)
- LED Power : 5W/10W
- LED light effect : 130lm/W
- Protection level : IP64



Camping



Emergency lighting



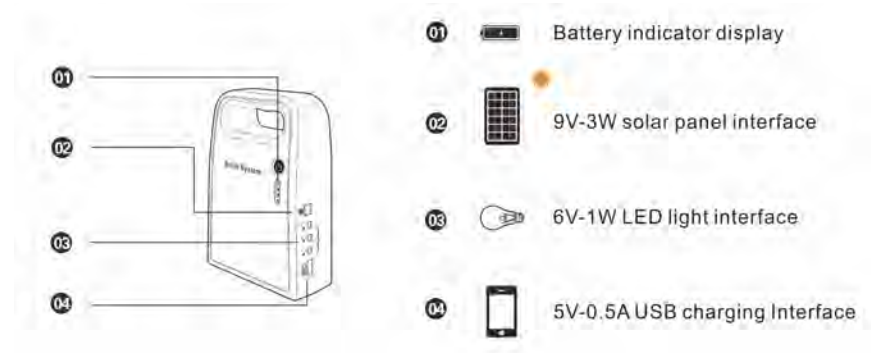
Garden and corridor



Street vendors



# SM-2402



## Model

SM-2402

System voltage	6V
Battery Type	Rechargeable
Battery Capacity	6V/4AH
Solar Panel	9V / 3W with 3Meters cable
Power jack output	6V / max 1A each
USB outlet	5V /max 0.5A each
Charing time	10-12H
LED BULB	
Power	1W
Voltage	6V
Lumen output	100Lm
CCT	6500K

## • Colour



# SM-2403



## Model SM-2403

System voltage	6V
Battery Type	Rechargeable
Battery Capacity	6V/4.5AH
Solar Panel	9V / 3W with 5Meters cable
Power jack output	6V / max 0.5A each
USB outlet	5V /max 1A each
Charing time	10-12H
LED BULB	
Power	3W
Voltage	6V
Lumen output	210Lm
CCT	6500K

# SM-2404



Model	SM-2404
System voltage	6V
Battery Type	Rechargeable
Battery Capacity	6V/4.5AH
Solar Panel	9V / 3W with 5Meters cable
Power jack output	6V / max 0.5A
USB outlet	5V /max 1A
Charing time	10-12H
LED BULB	
Power	3W
Voltage	6V
Lumen output	210Lm
CCT	6500K



# SM-2405



## Model SM-2405

System voltage	6V
Battery Type	Rechargeable
Battery Capacity	6V/4AH
Solar Panel	9V / 3W
Power jack output	7.5V / max 0.5A each
USB outlet	5V / 0.5A
Charing time	12-13H
LED BULB	
Power	6W
Voltage	6V
Lumen output	210Lm
CCT	6500K

# SM-2406



## Model SM-2406

System voltage	6V
Battery Type	Rechargeable
Battery Capacity	6V/4AH
Solar Panel	9V / 3W
Power jack output	7.5V / max 0.5A each
USB outlet	5V / 0.5A
Charing time	12-13H
LED BULB	
Power	6W
Voltage	6V
Lumen output	210Lm
CCT	6500K



# SM-2407



Model	SM-2407
System voltage	6V
Battery Type	Rechargeable
Battery Capacity	6V/4.5AH
Solar Panel	9V / 3W
Power jack output	7.5V / max 0.5A each
USB outlet	5V / 0.5A
Charing time	12-13H
LED BULB	
Power	6W
Voltage	6V
Lumen output	210Lm
CCT	6500K

# SM-1101



Model	SM-1101
System voltage	3V
Battery Type	Rechargeable lithium Battery
Battery Capacity	3.7V/3AH
Solar Panel	6V / 3W
Power jack output	/
USB outlet	5V / 1000mAh
Charing time	6H
LED BULB	
Power	3W
Voltage	3V
Lumen output	210Lm
CCT	6500K



# SM-1102



Model	SM-1102
System voltage	3V
Battery Type	Rechargeable lithium Battery
Battery Capacity	3.7V/1.5AH
Solar Panel	6V / 3W
Power jack output	/
USB outlet	5V / 1000mAh
Charing time	6H
LED BULB	
Power	3W
Voltage	3V
Lumen output	210Lm
CCT	6500K

# SM-1103



Model	SM-1103
System voltage	3V
Battery Type	Rechargeable lithium Battery
Battery Capacity	3.7V/3AH
Solar Panel	6V / 3W
Power jack output	/
USB outlet	5V / 1000mAh
Charing time	6H
LED BULB	
Power	3W
Voltage	3V
Lumen output	210Lm
CCT	6500K

# SM-1104



Model	SM-1104
System voltage	3V
Battery Type	Rechargeable lithium Battery
Battery Capacity	6V/7.2AH
Solar Panel	6V / 6W
Power jack output	/
USB outlet	5V /1000mAh
Charing time	8H
LED BULB	
Power	3W
Voltage	3V
Lumen output	210Lm
CCT	6500K

# SM-9002



• Colour



## Model

SM-9002

System voltage	12V
Battery Type	Rechargeable
Battery Capacity	12V/7AH
Solar Panel	18V / 10W with 5Meters cable
Power jack output	12V / max 3A each
USB outlet	5V /max 2A each
Charing time	8-10H
Connectors	Jack (5.5/2.5mm) USB: USB-A
LED BULB	
Power	3W
Voltage	12V
Lumen output	210Lm
CCT	6500K

# SM-9003/SM-9004



Model	SM-9003	SM-9004
System voltage	12V	12V
Battery Type	Rechargeable	
Battery Capacity	12V/12AH	12V/17AH
Fuse	15A	15A
Solar Panel	18V / 20W with 8Meters cable	
Power jack output	12V / max 0.5A each	
USB outlet	5V /max 2A each	
Charing time	10H	
Connectors	Jack (5.5/2.5mm) USB: USB-A	
LED BULB		
Power	3W	
Voltage	12V	
Lumen output	210Lm	
CCT	6500K	

## • Colour



# SM-SHS1205



## Model

SM-SHS1205

System Output:	220VAC - 500W
Waveform:	Modified sine wave inveter
Solar Panel:	150W Monocrystalline silicon solar panel
Solar controller:	PWM Controller 20A
Battery:	12V / 65Ah Lead-Acid battery
Charing time:	7-8Hours
Power jack output:	5V 2x1A
USB output:	12V 4x1A



# SM-SHS1205



## Model

SM-SHS1208

System Output:	800W
Output Voltage :	230VAC $\pm$ 5%
Output socket:	2x220V
Inveter:	800W pure sine wave inveter
Solar Panel:	18V /200W Monocrystalline silicon solar panel x2
Solar controller:	PWM Controller 50A
Battery:	12V / 200Ah Lead-Acid battery
AC charger current :	30A max
Charing time:	9Hours
Power jack output:	5V 2x1A
USB output:	12V 4x1A
Output socket:	2x220V



# SM-SHS1216



Model	SM-SHS1216
System Output:	1600W
Output Voltage :	230VAC $\pm$ 5%
Output socket:	2x220V
Inveter:	1600W pure sine wave inveter
Solar Panel:	36V /300W Monocrystalline silicon solar panel x2
Solar controller:	MPPT Controller 30A
Battery:	12V / 200Ah Lead-Acid battery x2
AC charger current :	30A max
Charing time:	8-9Hours
Power jack output:	5V 2x1A
USB output:	12V 4x1A
Output socket:	2x220V

# Hybrid Inverter 1KV-5KV

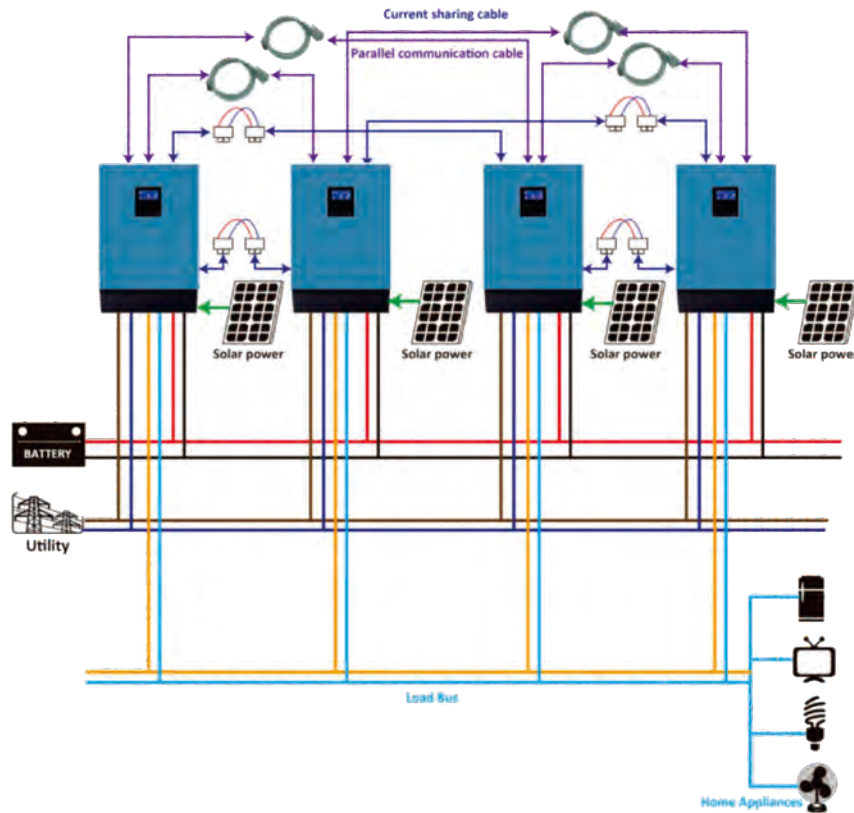


## FEATURES

Equipped with MPPT solar charge controller to maximize and regulate DC power from the solar array for charging the battery bank. Transformerless design provides reliable power conversion in compact size. Besides, it's worry-free to start up motor-type loads such as refrigerators, motors, pumps, compressors and laser printers as well as electronic loads like TVs, Computers, power tool and battery chargers.



## SPECIFICATIONS



Model	SM1K-24	SM1K-48	SM2K-24	SM2K-48	SM3K-24	SM3K-48	SM3K-48+	SM4K-48	SM5K-48
<b>RATED POWER</b>	1000VA/ 800W	1000VA/ 800W	2000VA/ 1600W	2000VA/ 1600W	3000VA/ 2400W	3000VA/ 2400W	3000VA/ 2400W	4000VA/ 3200W	5000VA/ 4000W
<b>Parallel Capability</b>	No	No	No	No	No	No	No	Yes, 6 units	Yes, 6 units
<b>INPUT</b>									
<b>Voltage</b>	230 VAC								
<b>Selectable Voltage Range</b>	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)								
<b>Frequency Range</b>	50 Hz/60 Hz (Auto sensing)								
<b>OUTPUT</b>									
<b>AC Voltage Regulation (Batt. Mode)</b>	230VAC ± 5%								
<b>Surge Power</b>	2000VA		4000VA		6000VA		8000VA	10000VA	
<b>Efficiency (Peak)</b>	90%-93%		93%		90%		93%	90%	
<b>Transfer Time</b>	10 ms (For Personal Computers); 20 ms (For Home Appliances)								
<b>Waveform</b>	Pure sine wave								
<b>BATTERY &amp; AC CHARGER</b>									
<b>Battery Voltage</b>	24 VDC	48 VDC	24 VDC	48 VDC	24 VDC		48 VDC		
<b>Floating Charge Voltage</b>	27 VDC	54 VDC	27 VDC	54 VDC	27 VDC		54 VDC		
<b>Overcharge Protection</b>	31 VDC	62 VDC	31 VDC	62 VDC	31 VDC		62 VDC		
<b>SOLAR CHARGER &amp; AC CHARGER</b>									
<b>Maximum PV Array Power</b>	600 W	900 W	1500 W	3000 W	1500W		3000W		
<b>MPPT Range @ Operating Voltage</b>	30VDC~ 66VDC	60VDC~ 88VDC	30VDC~ 115VDC	60VDC~ 115VDC	30 VDC~ 115VDC		60VDC~ 88VDC		60VDC~115VDC
<b>Maximum PV Array Open Circuit Voltage</b>	75VDC	102VDC	145VDC	145VDC	145 VDC		102VDC		145VDC
<b>Maximum Solar Charge Current</b>	25A	20A	60A	60A	60A		20A		60A
<b>Maximum AC Charge Current</b>	20A	15A	30A	10A	30A		15A		30A
<b>Maximum Charge Current</b>	45A	35A	90A	70A	90A		35A		90A
<b>Maximum Efficiency</b>	98%								
<b>Standby Power Consumption</b>	2 W								
<b>PHYSICAL</b>									
<b>Dimension, D x W x H (mm)</b>	128 x 272 x 355		140 x 295 x 479			128 x 272 x 355	140 x 295 x 479	140 x 295 x 540	
<b>Net Weight (kgs)</b>	7.4		11.5			8.0	11.5	12.5	13.5
<b>OPERATING ENVIRONMENT</b>									
<b>Humidity</b>	5% to 95% Relative Humidity(Non-condensing)								
<b>Operating Temperature</b>	0°C to 55°C								
<b>Storage Temperature</b>	-15°C to 60°C								

\*There are charging current selection only available for 230VAC system.  
Product specifications are subject to change without further notice.

# 1KVA-6KVA SOLAR INVERTER SYSTEM

## QUICK DETIALS

VOLTAGE: 230VAC

FREQUENCY RANGE: 50HZ/60HZ(AUTO SENSING) AC VOLTAGE

REGULATION(BATT.MODE): 230VAC  $\pm$ 5%

WAVEFORM: PURE SINE WAVE

BATTERY VOLTAGE: 24VD

MAXIMUM EFFICIENCY: 98% STANDBY

POWER CONSUMPTION: 2W

HUMIDITY: 5% TO 95% RELATIVE HUMIDITY(NON-CONDENSING)

OPERATING TEMPERATURE: 0°C-55°C

SELECTABLE VOLTAGE RANGE: 170-280VAC

(FOR PERSONAL COMPUTERS)

90-280VAC(FOR HOME APPLIANCES)





# DC FRIDGE & FREEZER

## SUIMING FRIDGE

SPECS VOLUME PACKAGE

INPUT : AC110-220 OR DC 12/24V  
 RATED POWER : 70W  
 CAPACITY : 118L DC REFRIGERATOR  
 TOTAL STORAGE CAPACITY :98(L)      FOAM THICKNESS : 60CM  
 TEMPERATURE: 0-10℃ FRIDGE -18℃ FREEZER      DIMENSION: 455\*485\*860MM



## SUIMING FREEZER

VOLUME PACKAGE

INPUT : AC110-220 OR DC 12/24V  
 RATE POWER: 93W  
 CAPACITY : 258L DC FREEZER  
 TOTAL STORAGE CAPACITY: 250(L)      FOAM THICKNESS : 90#  
 TEMPERATURE : -18℃      DIMENSION : 1161\*660\*850MM



# DC Tivi APPLIANCE

**SPECS** **SIZE** **PACKING**

## 32" DC TV

110-220V AC/ DC Input

Power consumption :25W

Buit-in 8000 mah lithium polyer battery

Resolution: 1366\*768

Aspect Ratio: 16: 9

Brightness: 1000cd/m2

Screen size: 31.5inch

Contrast: 1000:1

Unit w/o stand(mm): 802\*142\*522

Box Dimen.(mm) : 815\*255\*545



# DC EMERGENCY FAN

## FAN APPLIANCES

### SPECS

16" AC/DC STAND FAN

Working time:6-10 hours

Speed : 1500RPM

Battery: 12V7Ah leadacid battery

Built-in LED light: 12 LEDS

USB output :5V/1A



With APP Function



Low noise



**GO SOLAR, GO GREEN!**



# DC EMERGENCY FAN

12", 14", 16"  
DC TABLE FAN



**BUILT IN  
RECHARGEABLE BATTERY**

**GUANGDONG SUIMING PHOTOELECTRIC CO.,LTD**

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