



## SOLAR HOME POWER SYSTEM FOR OFF-GRID AREAS

- Small-scale DC solar home system for rural area.
- Medium-scale AC solar home system for resident & business.



# COMPANY PROFILE

## Green Solar Home Energy System Provider

Ningbo Supsolar Electric Co., Ltd. is a professional manufacturer specializing in the development, design, manufacture, and sale of innovative solar products for off-grid areas. We help off-grid populations to improve their quality of life with green and sustainable solar products.

### Our Mission:

To revolutionize lives with innovative solar power solutions, enhancing quality of life through sustainable energy.

### Our Vision:

To provide high-quality & affordable solar energy solutions, aiming to bring the convenience of light and electricity to the off-grid populations worldwide.



#### Quality guarantee

Strict quality control  
1-3 years of guarantee



#### Manufacturer RND

Direct factory  
13 experienced R&D  
team members



#### Competitive price

Location in China  
organized production  
process



#### Verasol certified

Passed Verasol test,  
Reliable



#### OEM service

Flexible ways of  
cooperation OEM/ODM



#### Inner laboratory

We proceed essential  
test in factory



#### Advantageous payment terms

Profitable payment terms  
for long term customers



#### Customer service

Customer care service,  
12 hours support

# COMPANY PROFILE



Supsolar has its own injection workshop, SMT workshop, assembly workshop, and finished product warehouse. All departments of the company work together efficiently to achieve high-quality order production and delivery.

In addition, the R&D center and testing laboratory can meet the customized development needs, and also can do quality inspection for large-volume orders.



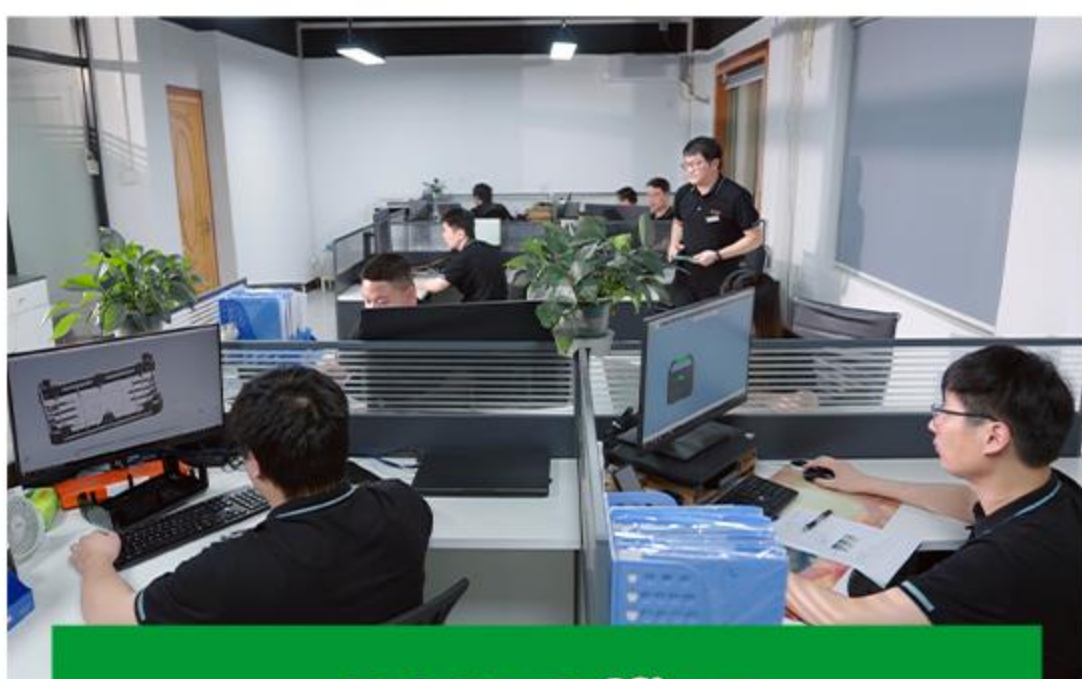
Assembly Workshop



Injection Workshop



SMT Workshop



R&D Office

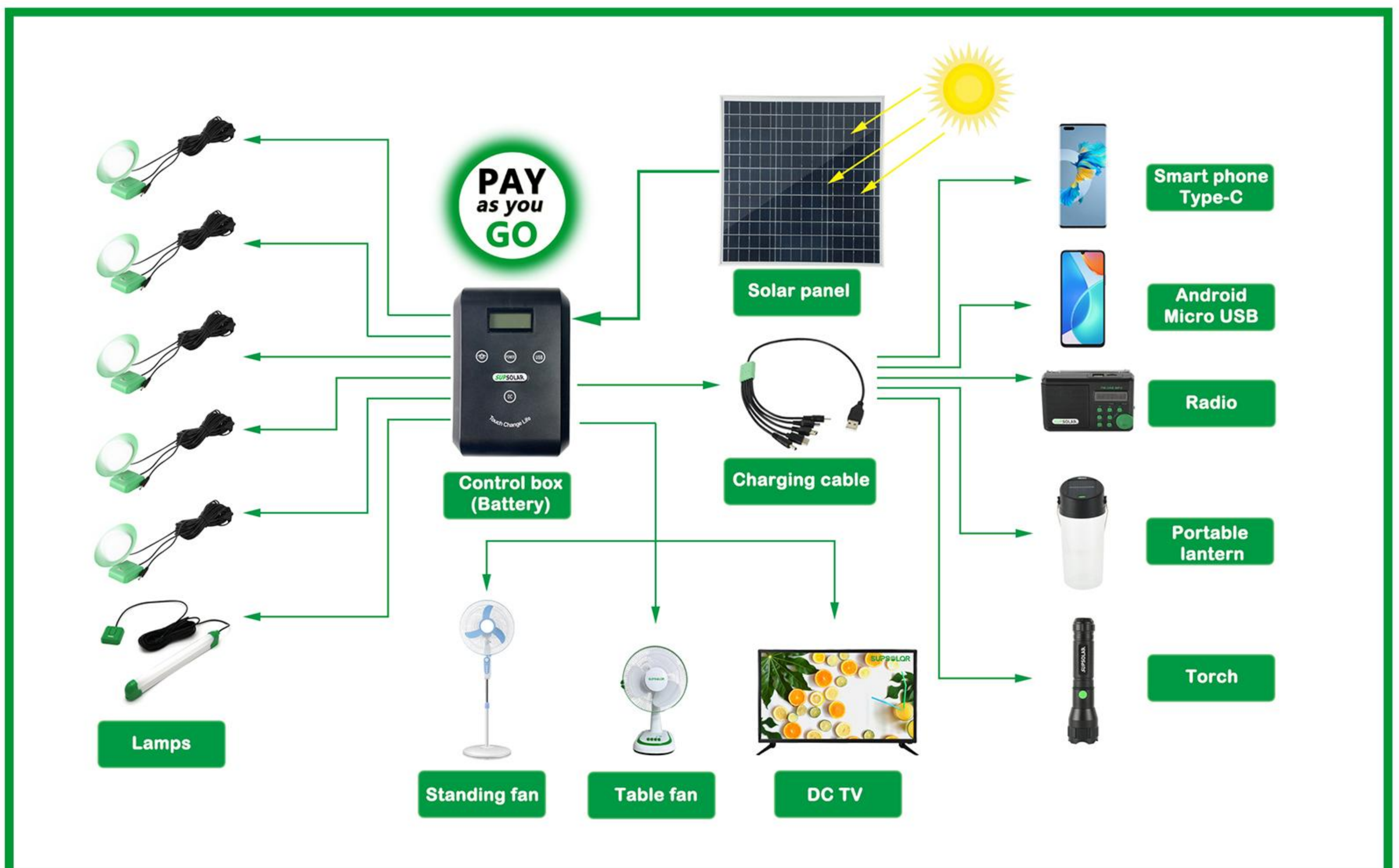
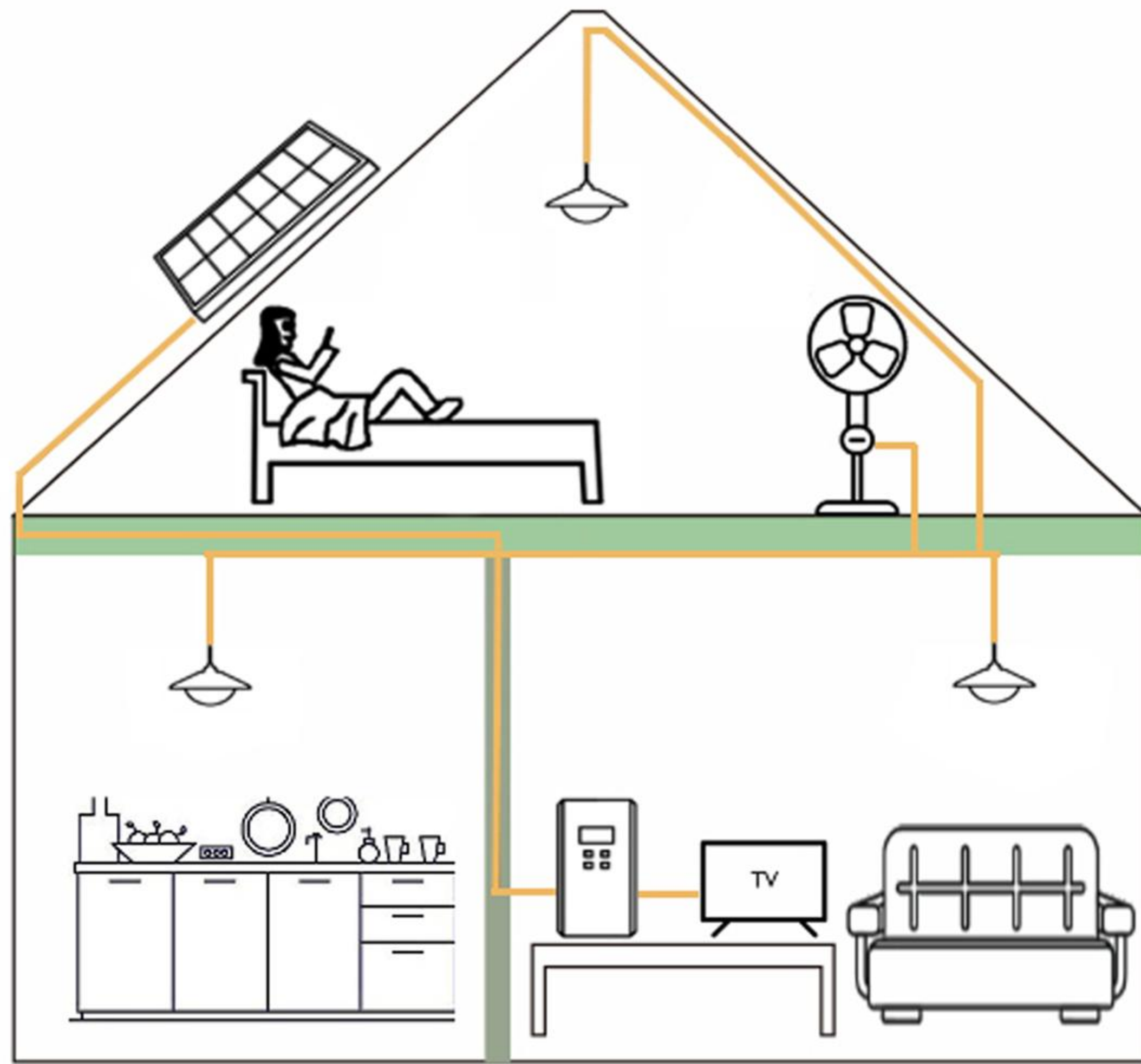


Laboratory



Test Equipment

# How do solar home system works?



# Economic kit-E Series



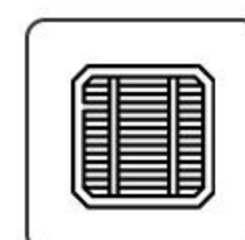
36× brighter than kerosene



2000 cycles LiFePO4 battery



Free phone charging



High efficiency mono solar panel



Affordable price



Verasol certified product

Model Number	SS-E04
Components	Battery*1, solar panel*1, lamps*3,charging cable*1
Battery Information	6.4V 3.2Ah LiFePO4
Solar panel	10V 6W Mono solar panel with 6m cable
Battery full charge time	5.5-6.5 h(sunny)
Battery running time	6-7 h (3*Lamps with high brightness level)



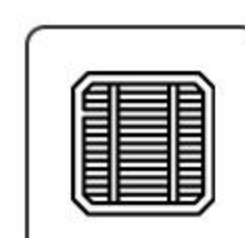
48× brighter than kerosene



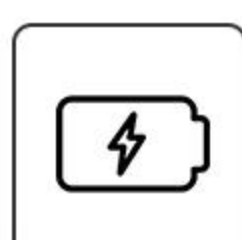
2000 cycles LiFePO4 battery



Free phone charging



High efficiency mono solar panel



Rechargeable Torch, radio, lantern



Verasol certified product

Model Number	SS-E05
Components	Battery*1, solar panel*1, lamps*4,portable lantern*1,torch*1,radio*1, charging cable*1
Battery Information	6.4V 3.2Ah LiFePO4
Solar panel	10V 8W Mono solar panel with 6m cable
Battery full charge time	4.5-5.5 h(sunny)
Battery running time	4.5-5.5 h (4*Lamps with high brightness level)

# Medium kit-M Series



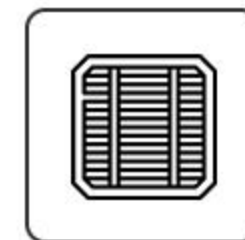
42× brighter than kerosene



2000 cycles LiFePO4 battery



Free phone charging



High efficiency mono solar panel



Light with 2 brightness level



Verasol certified product

Model Number	SS-M02
Components	Battery*1, solar panel*1, lamps*2,tube light*1,portable lantern*1,torch*1, charging cable*1
Battery Information	6.4V 3.3Ah LiFePO4
Solar panel	10V 10W Mono solar panel with 6m cable
Battery full charge time	3.5-4.5 h(sunny)
Battery running time	4.7-5.7 h (2*Lamps & 1 tube light with high brightness level)



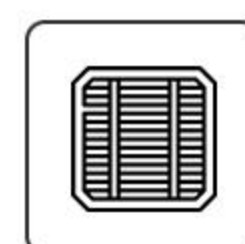
55× brighter than kerosene



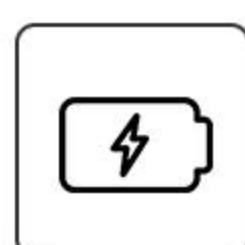
2000 cycles LiFePO4 battery



Free phone charging



High efficiency mono solar panel



Rechargeable Torch, radio, lantern



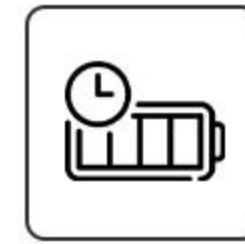
Verasol certified product

Model Number	SS-E05
Components	Battery*1, solar panel*1, lamps*3,tube light*1,portable lantern*1,torch*1,radio*1, charging cable*1
Battery Information	6.4V 6Ah LiFePO4
Solar panel	12V 12W Mono solar panel with 6m cable
Battery full charge time	5-6 h(sunny)
Battery running time	7-7.5 h (3*Lamps & 1*tube light with high brightness level)

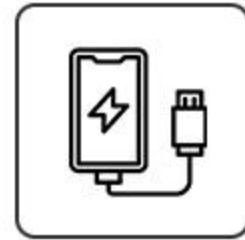
# Premium kit-P Series



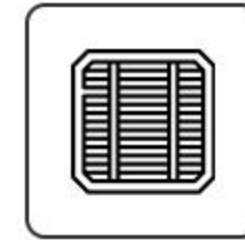
Paygo function available



2000 cycles LiFePO4 battery



Free phone charging



High efficiency mono solar panel



Light with 2 brightness level



Verasol certified product

Model Number	SS-P03
Components	Battery*1, solar panel*1, lamps*4,tube light*2,portable lantern*1,torch*1, radio*1,charging cable*1
Battery Information	12.8V 6Ah LiFePO4
Solar panel	18V 25W Mono solar panel with 6m cable
Battery full charge time	5-6h (sunny)
Battery running time	6.5-7.5h (4*Lamps & 2 tube light with high brightness level)



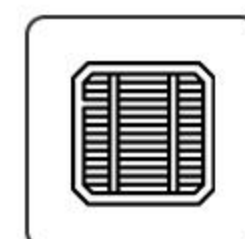
Paygo function available



2000 cycles LiFePO4 battery



Free phone charging



High efficiency mono solar panel



Rechargeable Torch, radio, lantern



Verasol certified product

Model Number	SS-P07
Components	Battery*1, solar panel*1, lamps*3,tube light*1,portable lantern*1,torch*1,radio*1, table fan*1,charging cable*1
Battery Information	12.8V 13Ah LiFePO4
Solar panel	10V 40W Mono solar panel with 6m cable
Battery full charge time	6.5-7.5 h(sunny)
Battery running time	6.5-7 h (3*Lamps & 1*tube light with high brightness level+ table fan)

# Premium kit-P Series



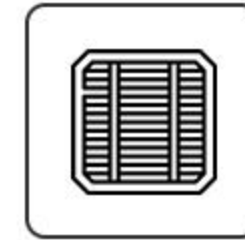
Paygo function available



2000 cycles LiFePO4 battery



Light up multiple rooms



High efficiency mono solar panel



24 Inch high high-definition TV



Verasol certified product

Model Number	SS-P08
Components	Battery*1, solar panel*1, lamps*5,tube light*1,portable lantern*1,torch*1, 24" DC TV*1,radio*1,charging cable*1
Battery Information	12.8V 13Ah LiFePO4
Solar panel	18V 40W Mono solar panel with 6m cable
Battery full charge time	6.5-7.5 h(sunny)
Battery running time	8.5-9.5 h (5*Lamps & 1 tube light with high brightness level+24"TV)



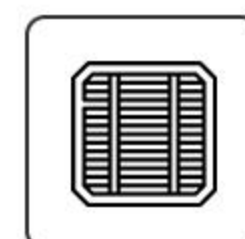
Paygo function available



2000 cycles LiFePO4 battery



Free phone charging



High efficiency mono solar panel



32 Inch high high-definition TV

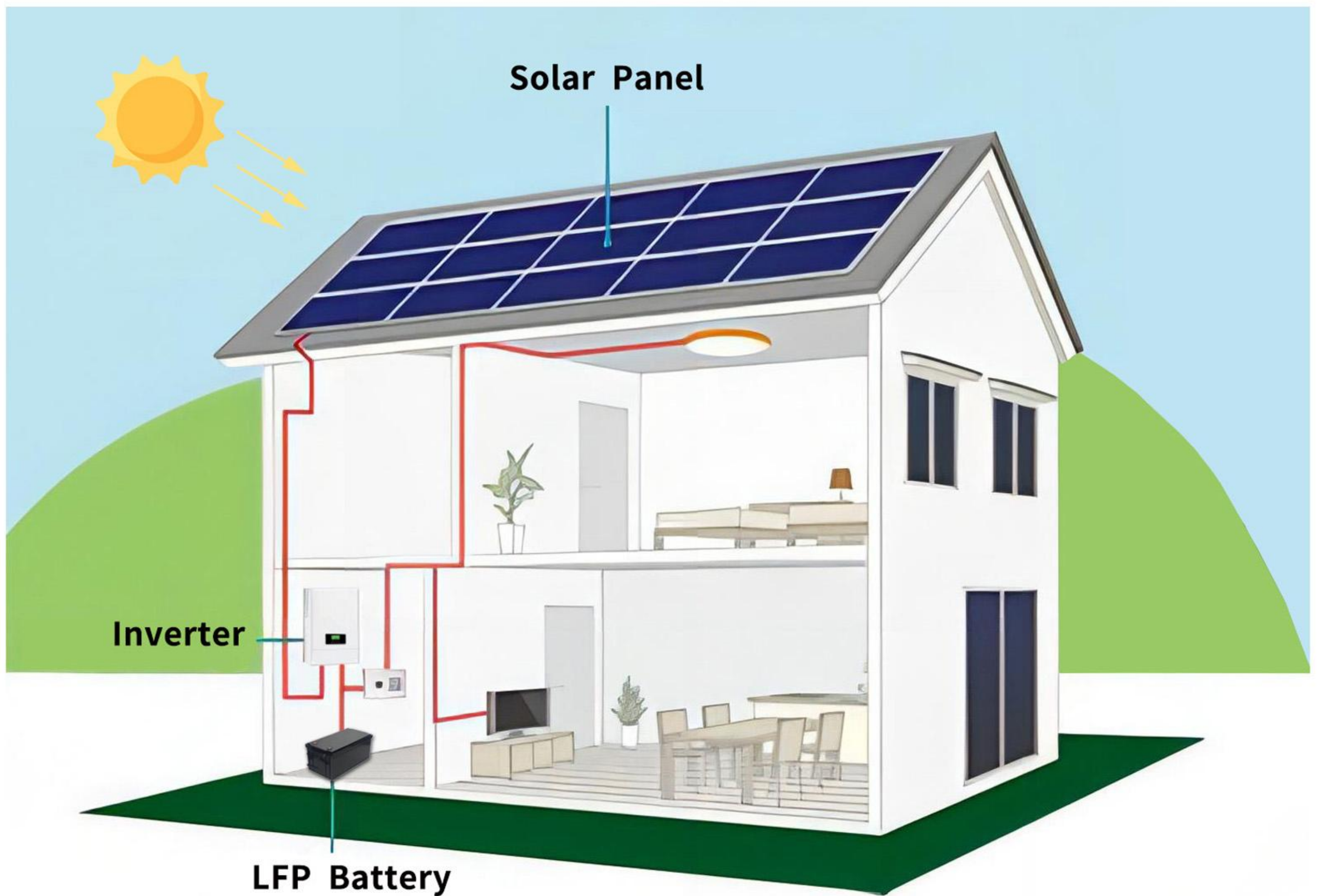


Verasol certified product

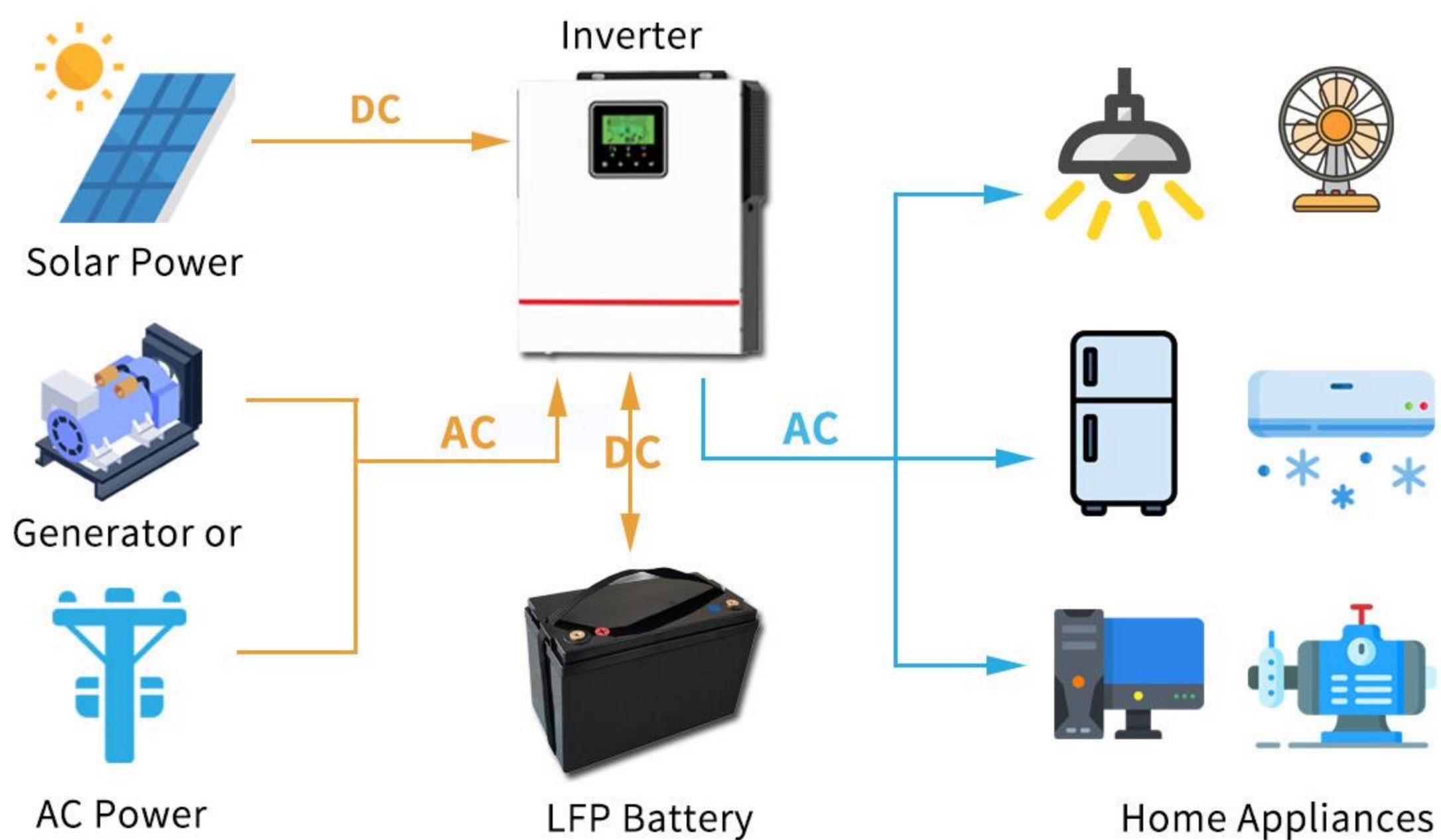
Model Number	SS-P09
Components	Battery*1, solar panel*1, lamps*4,tube light*2,portable lantern*1,torch*1,radio*1, standing fan*1,32" DC TV*1,charging cable*1
Battery Information	12.8V 15Ah LiFePO4
Solar panel	10V 60W Mono solar panel with 6m cable
Battery full charge time	5.0-6.0 h(sunny)
Battery running time	6.5-7.5h (4*Lamps & 2*tube light with high brightness level+ standing fan+32" TV)



# How do solar home energy system works?



## System Working Diagram



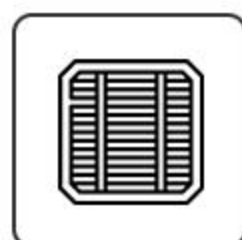
# Solar inverters-NM Series



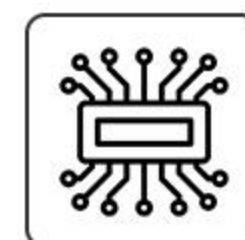
Max 1000W  
pure sine wave



3000 cycles  
LiFePO4 battery



High efficiency  
mono solar panel



LCD display



Affordable  
price



5 years life-span  
2 years warranty

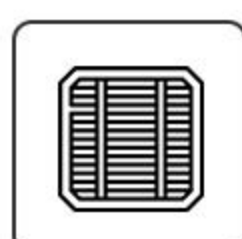
Model Number	NMS-1000	NMS-1500
Max output power	1000W	1500W
Solar panel	300W*1 Or 300W*2	300W*2 Or 300W*4
Battery capacity	LiFePO4 12.8V 87Ah/1113.6Wh	LiFePO4 25.6V 87Ah/2227.2Wh
Battery lifespan	3000 (70% DOD,25°C)	
Warranty	2 years	



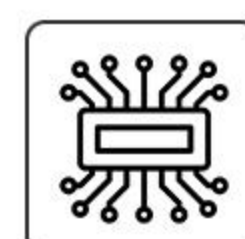
Max 1500W  
pure sine wave



3000 cycles  
LiFePO4 battery



High efficiency  
mono solar panel



LCD display  
WIFI &  
GPRS available



Affordable  
price



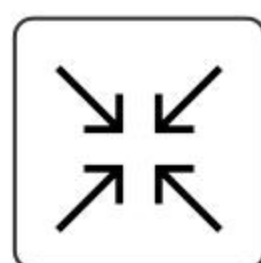
5 years life-span  
2 years warranty

Model Number	NML-2000	NML-3200
Max output power	2000W	3200W
Solar panel	450W*2 Or 450W*4	450W*3 Or 450W*6
Battery capacity	LiFePO4 25.6V 100Ah/2560Wh	LiFePO4 25.6V 135Ah/3456Wh
Battery lifespan	3000 (70% DOD,25°C)	
Warranty	2 years	

# All In One Solar Home Cabinet -JC Series



Easy operation  
Plug and play



Compact design  
Save space



Uninterrupted  
power, cost-effective



Long life durable  
LiFePO4 battery



Multiple  
protection



10 years life-span  
3 years warranty

Model Number	JC-3.2KW-2.56KWH	JC-4.2KW-5.12KWH	JC-6.2KW-10.24KWH	JC-10.2KW-15.36/ 20.48KWH
Max output power	3.2KW	4.2KW	6.2KW	10.2KW
Output frequency	50/60Hz			
Rated output voltage	Single-phase 230Vac			
Wave form	Pure sine wave			
UPS	≤10ms			
Max DC input	3KW MPPT	6.2KW MPPT	6.5KW MPPT	5.4KW+5.4KW MPPT
Battery capacity	2.56KWH*1	5.12KWH*1	5.12KWH*2	5.12KWH*3 Or 4
Battery lifespan	3000(80%DOD, 0.5C 25°C)	6000(80%DOD,0.5C 25°C)		
Cabinet dimension	46*41*146cm	60*60*130cm	60*60*170cm	
Warranty	3 years			

# Solar Smart DC TV



Low power consumption



High definition screen



Uninterrupted power, cost-effective



Built-in durable LiFePO4 battery



Built-in DVB-T2+S2 tuner



Smart TV, WIFI Connection available

Model Number	Solar smart DC TV 24"	Solar smart DC TV 32"
Solar panel	30W solar panel with 6m cable	40W solar panel with 6m cable
Battery capacity	12.8V 6.3Ah/80.6Wh	12.8V 6.3Ah/80.6Wh
Screen size	24 inch LED	32 inch LED
TV running time	7.5-8 h for TV	5-6.5 h for TV
Charging time	4-5 h	3-4 h
TV Power consumption	≤10W	≤13W
Voltage	12V	12V
Mobile phone charging	Yes	
Warranty	2 years	

# DC TV



Low power consumption



High definition screen



Uninterrupted power, cost-effective



Support TF card & USB disk



Built-in DVB-T2+S2 tuner



2 years warranty

Model Number	SS-TV01/24	SS-TV01/32
Screen size	24 inch LED	32 inch LED
Power	DC 12V	
TV Power consumption	<10W	<12W
The max resolution	1366×768	1366×768
TV system	DVB-T2	DVB-T2-S2
Input port	HDMI,S-VIDEO,VGA,USB,TV,AV	
TV dimension(L*W*H)	620*120*435mm	739*210*490mm
Warranty	2 years	

## Pay-As-You-Go service

**PAYGO (Pay as you go)** is a business mode, with a small down payment(20%/30%), customers can bring solar home product home to enjoy lighting, phone charging, TV, fan, refrigerator and etc. User only need to pay a little every week or month, after a few months in installments, the entire set of PAYGO solar system product costs can be fully paid, and the solar products will fully belong to the user.

## What is the benefit of using Paygo financing?



**Reason 1:** Help the people who are facing financial difficulties to use solar home power system without take up to much expenses in one time.



**Reason 2:** Very convenience for end user and distributor

- For end user: No need to go to physical store to charge money, just pay through mobile money.
- For distributor: No need to open physical store and related service staff, it will reduce operation cost.



**Reason 3:** Enlarge your profits- Compare to one-off payment, you will get more profit through installment.

For example: a set solar home system 100\$ and pay it in different ways below:

Payment options	Down payment	Monthly pay	Payment period	Total you get
One-off payment	100\$	0\$	0\$	100\$
Installment 12 Months	20\$	8\$	12\$	116\$
Installment 24 Months	20\$	5\$	24\$	140\$
Installment 36 Months	20\$	4\$	36\$	164\$

## How it works?



Make a small down payment and take the system home immediately



Pick your contract length and pay the balance in installments



Make the payment according to contract make sure uninterrupted supply



Once payment are complete, enjoy you lives with free solar energy

# SUPSOLEOR



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