

size:680x280mm

正面

WHY CHOOSE US?

1. Our Strengths:

1) Focus:
With 15 years of experience, designing and producing solar systems for off-grid areas.

3) Certificates:
Verasol, SONCAP, CCC, SABER, etc., tailored for different countries.

2) Quality Supply Chain:
Partner with leading renewable energy company solar panel supplier: **LONGI**

4) International Award:
Awarded Social Innovators Awards 2024 in Davos World Economic Forum.

2. Our Capabilities:

Product Customization: We offer **80% ODM** and **20% OEM**, emphasizing brand thinking

1. Strong Capabilities
Over 60 different models and holds more than 100 patents, showcasing our commitment to innovation.

2. Rapid Response: From Concept To Production In

- 1) Product Design: Completed in 8 weeks.
- 2) Prototyping/Development: Takes 7-10 weeks.
- 3) Mass Production: Achieved in 5 weeks.

3. OEM & ODM Support Services
Establishing assembly plants in Africa. We provide SONCAP services and equipments along with expert guidance on assembly processes.

OUR COMPANY

Founded in 2004, and since 2009, Power-Solution is committed to enhancing the quality of life in off-grid areas, mainly in sub-Saharan Africa. Our mission is to provide affordable and durable clean solar energy through an advantaged Chinese supplying chain, empowering communities without access to the grid. By the end of 2023, we have impacted nearly 60 million end-users in 66 countries.

Power-Solution is committed to ensuring product quality, continuous innovation, and customer partnership. With a brand-focused approach to OEM/ODM, we not only provides products that meet market demands but also collaborates with customers to grow together into leading local market shares.

Our next focus is on promoting the decentralized solar energy system with DC household appliances (like DC TV/DC FAN/DC FRIDGE/DC FREEZER) in Africa, ensuring sustainable and reliable access to clean energy.

Li Xia (Susan) Founder & CEO

LI XIA (Susan) founder of POWER SOLUTION, runs the company as a social enterprise, believing that a balance between social mission and business profit can keep the company competitive and sustainable. She has extensive experience in the African market and focuses on how to satisfy end user's need with continuously innovative solutions.

2004 2009 2012 2016 2020 2022 2024

Established Enter Solar Manufacture Pay As You Go Impact Investment

Professional Testing to Ensure Quality

Operate the outdoor and indoor testing labs to ensure consistent quality.

Battery Testing Machine

Integrating Sphere (LED Testing)

Temperature & Humidity Testing Machine

Outdoor Test Lab

Belt Spraying Testing Machine

Vibration Testing Machines

Plug-in /out Testing

Paygo OEM/ODM Since 2016

PAYGO PARTNER

Paygee

angaza

KPay

PayGro

OpenPAYGO™

POWER SOLUTION

Professional Off-grid Solar Home System Manufacturer

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SOLAR HOME SYSTEM MANUFACTURE FOR OFF-GRID

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反面

» Candles Killer PS-L003

Small volume easy to carry

2 brightness

High-efficiency solar panel

Solar Panel	0.5W/5V Mono-crystalline
Battery	3.2V/300mAh LiFePO4
Light source	1pc LED 0.5W
Charging time	3-4H under sufficient sunlight

» Solar Lantern PS-L080 MINI

SOS light

5 brightness

Phone charging

360° Lighting

Solar Panel	2W/5V Mono-crystalline
Battery	3.2V/6000mAh LiFePO4
Light source	2W Lantern + 1W Torch
Charging time	11-13H under sufficient sunlight

» Solar Lamp PS-L058

High-efficiency solar panel

2 brightness

2 way charging

Solar Panel	0.5W/5V Mono-crystalline
Battery	3.2V/500mAh LiFePO4
Light source	1pc LED 0.5W
Charging time	4-5H under sufficient sunlight

» Solar Torch PS-L070

50m effective lighting distance

2 brightness

2 way charging

Outdoor/Outdoor Lighting

Solar Panel	0.2W/5V Poly-crystalline
Battery	3.2V/250mAh LiFePO4
Light source	0.5W LED torch light 0.2W LED reading light
Charging time	5-7H under sufficient sunlight

» Solar Lantern PS-L063T3/T5

Indoor/Outdoor lighting

Phone charging

6 brightness

Model No	PS-L063T3	PS-L063T5
Solar Panel	4W/6V Mono-crystalline with 3m cable	
Battery	3.2V/6000mAh LiFePO4	
Light source	Lantern 2W, Torch 2W	Lantern 2W, Torch 2W, External 1W bulb
Charging time	5-7H under sufficient sunlight	

» Pico Solar Home System PS-K013N

2 rooms lighting

Phone charging

High-efficiency solar panel

Solar Panel	6W/11V Mono-crystalline with 5m cable
Battery	7.4V/2600mAh Li-Ion
Light source	2*1W LED bulbs
Charging time	4-6H under sufficient sunlight

» Pico Solar Home System PS-K037T2/T3/T4

2-4 rooms lighting

Lock design

Phone charging

Model No	PS-K037T2	PS-K037T3	PS-K037T4
Solar Panel	18W/18V Mono	6W/6V Mono	10W/6V Mono
Battery	3.2V/6000mAh LiFePO4	3.2V/6000mAh LiFePO4	3.2V/7000mAh LiFePO4
Light source	2 x 1W LED bulb	3 x 1W LED bulb	4 x 2W LED bulb
Charging time	4-6H	4-6H	5-7H

» Pico Solar Home System PS-K034AT

Lock design

FM radio

Phone charging

3 brightness wall light

Solar Panel	10W/9V Mono-crystalline with 5m cable
Battery	6.4V/6000mAh LiFePO4
Light source	4 x 2W LED bulb +2pcs Led for wall light
Charging time	5-7H under sufficient sunlight

» 154Wh/230Wh Solar Home System PS-K030T1/T2

Lighting

DC Fan

Phone

DC TV

Model No	PS-K030T1	PS-K030T2
Solar Panel	30W/18V Mono	50W/18V Mono
Battery	12.8V/12000mAh LiFePO4	12.8V/18000mAh LiFePO4
Charging time	7-9H	6-8H

Home appliances (for option)

DC 12V: 110W Lamps	120W/22 inch TV
1316 inch Stand Fan	14145/56 inch Ceiling Fan

» 614Wh/768Wh Solar Home System PS-K011T1/T2

Lighting

DC Fan

DC Fridge

DC TV

Model No	PS-K011T1	PS-K011T2
Solar Panel	100W/18V Mono	150W/18V Mono
Battery	12.8V/48000mAh LiFePO4	12.8V/60000mAh LiFePO4
Charging time	8-10H	7-9H

Home appliances (for option)

DC 12V: 110W Lamps	120W/22 inch TV
1316 inch Stand Fan	14145/56 inch ceiling Fan
1590L/750L Fridge	1590L/750L Fridge

» 1KWh/3KWh Solar Home System PS-K066T1/T2

Dust Free Mono

Model No	PS-K066T1	PS-K066T2
Solar Panel	LONGI 550W dust free Mono 100W LiFePO4	LONGI 1100W dust free Mono 300W LiFePO4

Home appliances (for option)

DC 12V: 110W Lamps	120W/22 inch TV
1316 inch Stand Fan	14145/56 inch ceiling Fan
1590L/750L Fridge	1590L/750L Fridge

» Solar Education System SOLAR MEDIA

2-4 rooms lighting

Multimedia appreciation

Phone charging

Solar Panel	20W/9V Mono-crystalline
Battery	6.4V/12000mAh LiFePO4
Light source	3 x 3W LED bulb
Charging time	5-7H under sufficient sunlight