

Solar Home Systems and PAYG Datasheet

Multi-lamp home systems from 4W to 2000W, and the pay as you go range on the PaygOps platform.

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All figures in this document are the manufacturer specification for the model named. Anything not listed here is confirmed in writing with the quotation.

Solar Home Systems

Solar Home System With Inverter

Model: SW-HS300-200 / SW-HS2000-600

Larger solar home systems from 300W to 2000W with deep cycle battery, charge control and inverter, sized to run a TV, fan, washing machine, small fridge and electric pot.



Features

- Equipped with solar charge control, increasing the life of battery and charge efficiency
- Good protection design for overcharge, over-discharge, over-load, short-circuit and with temperature compensation function
- Adopt high efficiency crystalline solar modules
- Adopt deep cycle maintenance free lead-acid battery
- Clear LED indication and digital display for battery voltage
- Easy to install and convenient to use
- With DC output, easy for DC appliance use
- With reliable inverter, with sine-wave or modified sine-wave output

Specifications

Model	SW-HS300-200
Solar panel	300W
Storage battery	12V 200Ah
Charger control	24V 10A
Working hours	4-8 hours
Cloudy or raining day	2-3 days
Appliances	1 TV / 1 fan / 1 washing machine / 1 small fridge
Model	SW-HS2000-600
Solar panel	2000W
Storage battery	12V 600Ah
Charger control	48V 30A

Working hours	4-8 hours
Cloudy or raining day	2-3 days
Appliances	1 TV / 1 fan / 1 washing machine / 1 small fridge / 1 electric pot

SEHEN Lighting System With 4 LED Lamps

Model: 30W SEHEN kit

A 30W SEHEN style kit with four 375 lumen LED lamps, each with its own lithium battery, plus a rechargeable remote torch.



Features

- 30W solar kits with 4 lamps
- 30W / 12V poly solar panel with rechargeable remote
- 6 port terminal hub: 1 for solar module, 1 USB, 4 LED lamps
- Built for rural areas and islands

Specifications

Solar panel	30W / 12V poly
Lithium battery, each lamp	3.7V / 2600mAh x 2
LED efficacy	Min 125 lm/w
Luminous	375 lumen, cool white
Run time at 100%	3 hrs, 375 lumen
Run time at 50%	3 hrs, 187.5 lumen
Run time at 10%	4 hrs, 37.5 lumen
Hub	6 port terminal hub
Remote torch	Lithium iron phosphate, 3.2V, 500mAh
Accessories	One hub, one remote torch, USB charge cable

SEHEN Lighting System With 3 LED Lamps

Model: 20W SEHEN kit

The 20W three-lamp SEHEN kit, the configuration supplied into Indonesian rural electrification programmes.



Features

- 20W solar kits with 3 lamps
- 20W / 12V poly solar panel with rechargeable remote
- 6 port terminal hub: 1 for solar module, 1 USB, 3 LED lamps
- Supplied for LTSHE, VEKA, ADYAWINSA and ESDM programmes

Specifications

Solar panel	20W / 12V poly
Lithium battery, each lamp	3.7V / 2600mAh x 2
LED efficacy	Min 125 lm/w
Luminous	375 lumen, cool white
Run time at 100%	3 hrs, 375 lumen
Run time at 50%	3 hrs, 187.5 lumen
Run time at 10%	4 hrs, 37.5 lumen
Hub	6 port terminal hub
Remote torch	Lithium iron phosphate, 3.2V, 500mAh
Accessories	One hub, one remote torch, USB charge cable

10W Portable Solar Power System With Emergency Lamp

Model: 10W lighting system

A 10W lead-acid home lighting kit with four 3W LED lamps and 6 to 8 hours of run time from a full charge.



Features

- Simple and convenient
- Environment friendly
- Energy saving
- Emergency lighting
- Low-cost
- We can also design low cost solar lights for rural area

Specifications

Solar panel	10W / 18V poly-crystalline
Lead acid battery	12V 7Ah
DC output	12V
Lighting source	4 pcs 3W LED lamp, LED light or energy-saving light
Lighting time	6-8 hours when full-charged
Wire	5M of the solar panel or more, 3M wire of the lamp or more

10W Solar Home Lighting System With Mobile Charger

Model: 10W indoor system

A 10W indoor system with a 12V 7Ah battery, seven output ports, an optional radio and MP3 board and an optional dimmable emergency light.



Features

- Simple and convenient
- Environment friendly
- Energy saving
- Emergency lighting
- Low-cost

Specifications

Solar panel	10W / 17V polycrystalline silicon, 5 metre cable
Battery	12V 7Ah rechargeable lead acid
Charge controller	12V 3A
Phone charging	USB 5V phone charging plug hole
Indicators	LED battery level indicator, LED charging indicator
Emergency light	Three-grade brightness adjustable 3W, optional
Radio and MP3	Optional
Protection	Overcharge, over-discharge, overload protection
Output ports	2 x USB 5V, 5 x DC 12V
Switches	Master switch and emergency light switch
Standard accessories	3 x 12V 3W LED light, 3 metre switch cable, 1 x 5 in 1 USB phone charging cable

Multiple Light Portable Solar Lighting System

Model: SW-HS4-2LI / SW-HS8-4LI (non-PAYG)

The non-PAYG version of the 4W and 8W portable lighting systems, with MPPT charging, a remote torch and five output ports.



Features

- Self with emergency lighting lamp
- MPPT inside, 30% faster charging
- Battery capacity indicator and charging LED indicator

- Emergency lighting with three steps of dimmable lumen
- Perfect protection: over-charge, over-discharge and overload protection
- One-key operate switch

Specifications

Model	SW-HS4-2LI (non-PAYG)
Solar panel	4W / 12V polysilicon panel with 5M cable
Lithium battery	7.2V 2600mAh lithium rechargeable
Output ports	5 pcs: 2 pcs USB 5V, 3 pcs DC 6V
Accessories	3 pcs LED lamps 150LM or 200LM, 2 pcs 6m cable with bulb holder and on/off switch, 1 pcs remote torch, 1 pcs 4 in 1 mobile charge cable
Model	SW-HS8-4LI (non-PAYG)
Solar panel	8W / 12V polysilicon panel with 5M cable
Lithium battery	7.2V 5200mAh lithium NMC rechargeable
Output ports	5 pcs: 2 pcs USB 5V, 3 pcs DC 6V
Accessories	3 pcs LED lamps 150LM or 200LM, 4 pcs 5m cable with bulb holder and on/off switch, 1 pcs remote torch, 1 pcs 4 in 1 mobile charge cable

Pay As You Go SHS

Pay As You Go Solar Home System

Model: PAYG SHS

A PAYG home system with radio, Bluetooth and music playback, DC fan and TV load, laptop charging and lighting for several rooms.



Features

- Pay-As-You-Go / installment solar system
- FM radio, Bluetooth, headset, music player
- Laptop charging
- Load DC fan and DC TV
- Home lighting for several rooms
- Mobile charger with auto detection current for mobile
- Charging by solar panel or adapter from electricity
- Over charge, over discharge, over current and short circuit protections

Specifications

Payment model	Weekly or monthly instalment, rent-to-own
Unlock method	Recharge code by SMS, entered on the product keypad
Audio	FM radio, Bluetooth, headset, music player
Loads	DC fan, DC TV, laptop charging, several rooms of lighting
Charging	Solar panel or mains adapter

Protection

Over charge, over discharge, over current, short circuit

Pay As You Go Solar Lighting System

Model: PAYG lighting system

The lighting-only PAYG configuration, sold on instalments so a household owns the product after the last payment.

**Features**

- Pay-As-You-Go / installment solar system
- FM radio, Bluetooth, headset, music player
- Laptop charging
- Load DC fan and DC TV
- Home lighting for several rooms
- Mobile charger with auto detection current for mobile
- Charging by solar panel or adapter from electricity
- Over charge, over discharge, over current and short circuit protections

Specifications

Payment model	Weekly or monthly instalment, rent-to-own
Ownership	Buyer owns the product after paying off
Loads	Lighting for several rooms, DC fan, DC TV, laptop charging
Charging	Solar panel or mains adapter
Protection	Over charge, over discharge, over current, short circuit

MPPT PAYG Solar Lighting System

Model: SW-HS4-2LI / SW-HS8-4LI (PAYG)

The 4W and 8W PAYG systems with MPPT charging inside, giving 30 percent faster charging on the same panel.

**Features**

- MPPT inside, 30% faster charging
- Self with emergency lighting lamp
- Battery capacity indicator and charging LED indicator
- Emergency lighting with three steps of dimmable lumen
- Perfect protection: over-charge, over-discharge and overload protection
- One-key operate switch

Specifications

Model	SW-HS4-2LI (PAYG)
Solar panel	4W / 12V polysilicon panel with 5M cable
Lithium battery	7.2V 2600mAh lithium rechargeable
Charging	MPPT inside, 30% faster charging
Output ports	5 pcs: 2 pcs USB 5V, 3 pcs DC 6V
Accessories	3 pcs LED lamps 150LM or 200LM, 2 pcs 6m cable with bulb holder and on/off switch, 1 pcs remote torch, 1 pcs 4 in 1 mobile charge cable
Model	SW-HS8-4LI (PAYG)
Solar panel	8W / 12V polysilicon panel with 5M cable
Lithium battery	7.2V 5200mAh lithium NMC rechargeable
Output ports	5 pcs: 2 pcs USB 5V, 3 pcs DC 6V
Accessories	3 pcs LED lamps 150LM or 200LM, 4 pcs 5m cable with bulb holder and on/off switch, 1 pcs remote torch, 1 pcs 4 in 1 mobile charge cable

PaygOps Portable Solar Lighting System

Model: SW-HS4-2LI / SW-HS8-4LI (PaygOps)

The 4W and 8W portable PAYG systems supplied on the PaygOps platform, so an operator can start selling without building its own software.



Features

- Supplied on the PaygOps platform
- Self with emergency lighting lamp
- Battery capacity indicator and charging LED indicator
- Emergency lighting with three steps of dimmable lumen
- Perfect protection: over-charge, over-discharge and overload protection
- One-key operate switch

Specifications

Model	SW-HS4-2LI (PAYG)
Solar panel	4W / 12V polysilicon panel with 5M cable
Lithium battery	7.2V 2600mAh lithium rechargeable
Output ports	5 pcs: 2 pcs USB 5V, 3 pcs DC 6V
Accessories	3 pcs LED lamps 150LM or 200LM, 2 pcs 6m cable with bulb holder and on/off switch, 1 pcs remote torch, 1 pcs 4 in 1 mobile charge cable
Model	SW-HS8-4LI (PAYG)
Solar panel	8W / 12V polysilicon panel with 5M cable
Lithium battery	7.2V 5200mAh lithium NMC rechargeable
Platform	PaygOps