

Solar Power System

SWP-1000W

Specifications

| | | | | | |
|----------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|
| Solar Cell Module | Max power | 1024 W(170W×6) | | | |
| | Converting efficiency | ≥ 16% polycrystalline silicon with 125×125 standard square | | | |
| | Electrical data | Open circuit voltage | 44.5V | Max voltage | 35.9V |
| | | Short circuit current | 30.72A | Max current | 28.44A |
| | Type and Size | Type A | 1 array*3modules in series 2464×1580 mm | Module size | 808×1580×35 mm |
| | | Type B | —— | | |
| Installation angle | Install at 0°~ 60°from the horizontal | | | | |
| Battery Pack | Rated capacity | 600AH | Combined mode | 200AH/12V | |
| | Rated voltage | 24V | | 2pcs as a array and 3 arrays in parallel | |
| | Battery type | Maintenance-free lead-acid | Discharging rate | ≤50% | |
| | Ambient temperature | -30℃~+60℃ | Weight | 575Kg | |
| | Lifetime | 5—8 years | | | |
| Charge/discharge Controller, Input&output | Charge/Discharge controller | Model | CML40 | | |
| | | Size | 40A (12 / 24 adaptorable) | | |
| | | Manufacturer | P h o c o s | | |
| | DC output | 12V | 4 outlets for 4 pcs DC 12 V /11 W CFL | | |
| | | 24V | For DC electrical tools | | |
| | AC output-A 50 / 60 H z | Inverted output of standard electricity wave | Rated output power 500W for group-adaptive loads e.g.: lights, TV, electrical heaters, etc. | | |
| AC output-B 50 / 60 H z | inverted output of pure electricity wave | Rated output power 500W for geist electrical machine loads e.g.: fridges, electrical fans, water pumps, etc. | | | |

Performance

| | | | | | | | |
|-----------------------------|----|------------------------------------------|------|------------------------|----|---------------------------------|------|
| Max Output | DC | 12V | 100W | Rated output (100%) | DC | 12V | 60W |
| | | 24V | 200W | | | 24V | 150W |
| | AC | Standard electricity wave | 700W | | AC | Standard electricity wave | 500W |
| | | Pure electricity wave | 700W | | | Pure electricity wave | 500W |
| Power ability for 50% loads | | Available Power for a sunny day's charge | | | | 6—8 hours | |
| | | Available power for full battery | | | | 25 hours | |

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