



#### Product features:

- Automatic detection of SOC.
- PWM control.
- Maximum Power Point Tracking.
- Multistage charging technology.
- Load disconnection depending on SOC.
- Automatic load reconnection.
- Temperature compensation.
- Plug and play.

#### Electronic protection functions:

- Overcharge protection.
- Deep discharge protection.
- Reverse polarity protection of battery.
- Short circuit protection of load.
- Open circuit protection without battery.
- Reverse current protection at night
- Overtemperature and overload protection.

#### Displays:

- Graphical LCD user interface for working status, fault messages.

DC off-grid power systems are used to power DC appliances in boats, log cabins as well as houses when utility power is not accessible.

DASOL S4 series supply simple, complete and plug and play solar home system to solve your lighting, cooling, entertainment problem.

## DASOL

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## S4 SERIES

### Specification:

Model	S4140120DC	S4280240DC
System Voltage	12V	12V
Solar Panel Maximum Power @ STC*	1×140Wp	2×140Wp
Solar Panel Cable	2.5mm <sup>2</sup> twin-core cable, 6m	2.5mm <sup>2</sup> twin-core cable, 6m
AGM Battery	1×120Ah/12V	2×120Ah/12V
ABS Storage Battery Box	×1	×2
CFL Lamps	5×15W/DC12V	5×15W/DC12V
CFL Lamp Cable	5×6m	5×6m
Lamp Bus Cable	2.5mm <sup>2</sup> twin-core cable, 10m	2.5mm <sup>2</sup> twin-core cable, 10m
LED TV(14") (optional)	15Wp/DC12V	15Wp/DC12V
DC Fan(16") (optional)	15Wp/DC12V	15Wp/DC12V
DC Refrigerator(optional)	50L, 50W/DC12V	50L, 50W/DC12V
Autonomous Run Time(LEDs Lamp)	15 hours	30 hours
Lighting Hours Per Solar Day**(PV only)	7.5 hours	15 hours

### Recommended DC appliances working time:

DC appliances	Specification	Quantity	S4140120DC	S4280240DC
CFL Lamps	15W/DC12V	5	5 hours	6 hours
LED TV(14")	15W/DC12V	1	3 hours	5 hours
DC Fan(16")	15W/DC12V	2	4 hours	5 hours
DC Refrigerator	50W/DC12V	1	N/A	24 hours
System duration			2 days	2 days

\*STC ( Standard Test Condition ): Irradiance 1000W/m<sup>2</sup>, module temperature 25°C, AM1.5.

\*\*Solar day @ condition: 5000Wh/m<sup>2</sup> per day.