

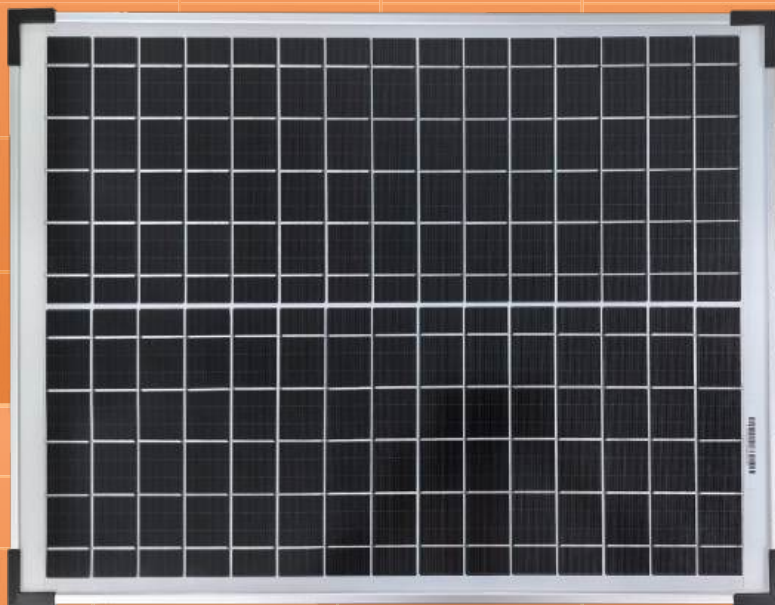
CAR CHARGING SERIES

The car battery charging solar panel was developed by GermanSolar.



GermanSolar
The Partner For Your Solar Lifetime®

CAR KIT-30W



APPLICATIONS

wherever you travel, wherever the sun shines, germansolar's car charging series will help you prevent your car from losing power. Products include tempered glass production of solar panels, PWM controllers, alligator clips.

CONTROLLER FEATURES



Overcharge Protection

Real-time battery voltage detection to prevent battery overcharge damage. It can extend the service life of the battery and ensure the safety of use.



Short Circuit Protection

The output is automatically disconnected when the load end is short circuit to prevent equipment damage.



Reverse Polarity Protection

The reverse polarity protection for both solar panels and batteries ensures safety and facilitates easy operation.



Over Temperature Protection

The controller of the device intelligently activates the over-temperature protection based on its own temperature, ensuring safe usage and extending the service life of the equipment.

APPLICATION SCENARIO



PORTABLE SERIES

- Easy installation, can be DIY
- High strength: the panels are made of tempered glass + aluminum frame + corner protection
- High weather resistance, resistance to UV, high and low temperature impact
- High IP protection level: exposed electrical connection part adopts IP67 connector (except battery clamp)
- High reliability: the panels are designed and manufactured according to UL61215 UL61730 standard

SPECIAL FEATURES

Plug and play solar kit

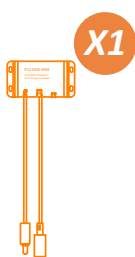
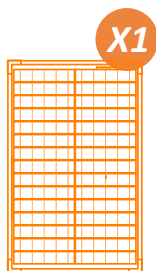
Remarkable efficiency

Durable

Safety guarantee

Reliable

PACKAGE INCLUDES



PANEL ELECTRICAL DATA

Nominal Max. Power (Pmax)* (W)	30
Open Circuit Voltage (Voc) (V)	19.35
Short Circuit Current (Isc) (A)	1.87
Max. Power Voltage (Vmpp) (V)	17.00
Max. Power Current (Impp) (A)	1.77
Module Efficiency (%)	15.58
Power Tolerance	0 ~ +5W
Temperature Coefficient (Pmax)	-0.38% / °C
Temperature Coefficient (Isc)	+0.07% / °C
Temperature Coefficient (Voc)	-0.36% / °C

CONTROLLER ELECTRICAL DATA

Battery System Voltage (V)	12
Max System Current (A)	10
No-Load Loss (mA)	8
Max PV Input Voltage (Voc)	< 30
Max PV Input Power (W)	170
Equalize Charge Voltage (V)	14.6
Boost Charge Voltage (V)	14.4
Float Charge Voltage (V)	13.2
Boost Charge Recovery Voltage (V)	13.2
Equalize Charge Duration (H)	1

PRODUCT WARRANTY

1 Year

Solar Panel : 1 year