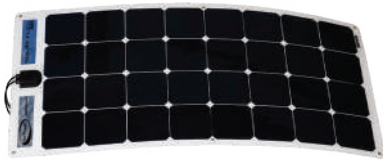




KIT INCLUDES:



- 110W Flexible Solar Module



- MMPT Charge Controller (30A)



- 20' Harness



- 30' Harness



- Perimeter Edge Tape

110W Flexible Solar Module

Solar Flex™ solar panels are designed to provide a powerful charging solution for batteries.

Unlike other 'thin' products, Solar Flex™ uses high-efficiency monocrystalline cells that produce more power per square foot than any other flat panel on the market.

Built to withstand the harshest conditions.

- High-efficiency, back-contact solar cells
- Adhesive backing for easy mounting and provisions for screws (penetrating installation)
- Curves up to 30 degrees
- Durable surface is less than 1/8 in (3 mm) thick
- Industry standard quick-connect cables (MC4) work in series or in parallel
- Marine grade material
- Up to 82% lighter than other solar modules
- Solar output power limited warranty of 5 years

MMPT Charge Controller (30A)*

The industrial Maximum Power Point Tracking (MPPT) charge controller featuring a robust, fully-sealed (IP67) housing that resists vibration as well as dust-, insect- and water ingress.

The MMPT ensures maximum performance and yield from all types of PV systems year-round and in any environment.

- IP67 rated waterproof protection with SC solar connections and Delphi battery connections
- Up to 98% power conversion efficiency
- Advanced multi-peak tracking technology, allowing for better charging in shaded areas)
- Built-in over-temperature protection
- Temperature compensation and automatic adjustment of charge and discharge parameters
- Fully encapsulated design prevents damage from water, corrosion, insects and/or dust
- Works with 12 or 24V battery systems (automatic battery voltage detection)
- Supports lithium, sealed, vented, AGM, and flooded Lead Acid batteries
- Converts excess array voltage into additional charging current
- Temperature compensation and automatic adjustment of charge and discharge parameters
- 5 year warranty

***30A CONTROLLER ALLOWS FOR EXPANSION — ADDITIONAL SOLAR MODULES**

FLEET APPLICATIONS:

- Starter Battery Maintenance



110W FLEXIBLE SOLAR MODULE SPECS

Rated power (Pm)	110W
Maximum power voltage (Vmp)	17.6V
Maximum power current (Imp)	6.31A
Open circuit voltage (Voc)	22.08V
Short circuit current (Isc)	6.60A
Power coefficient	-0.38% / °C
Voltage coefficient	-60.8mV / °C
Current coefficient	2.2mA / °C
Max power tolerance	+/- 5%
Cell type	Monocrystalline
Solar cell efficiency	21%
Series fuse rating	10A
Maximum system voltage	600VDC
Weight	2.9 lb (1.35 kg)
Dimensions	44.6 x 21.4 x 0.1 in 1134 x 544 x 3 mm
Frame type / material	DNP topcoat, includes stainless steel grommets

30° max. recommended bend

MMPT CHARGE CONTROLLER (30A) SPECS

Nominal System Voltage	12 / 24 VDC (auto detection)
Max Solar Array Current	30A
Rated Charge Power	450W 12V 900W 24V
Operating Consumption	≤13mA/12V; ≤11.5mA/24V
Temp. Compensation	-25 mV/K in 12V systems -50mV/K in 24V systems
Operating Temperature	- 40 to 60°C, - 40 to 140°F
Dimming Value	0-100 % (0-10 V output)
Battery Type	Lead acid (gel, AGM, flooded) adjustable, Lithium
Humidity	99% N.C.
Dimensions (HxWxD)	152 X 128 X 43mm (6 X 5.1 X 2in)
Weight	1297g (2.86lbs)
Warranty	5 years
Safety Features	Battery Reverse Polarity, Solar Array Reverse Polarity, Over Temperature, PV Short Circuit, Battery Short Circuit, Over Current

Specifications may be subject to change. Product may not be exactly as shown. Specifications subject to local environmental conditions.

Power Specifications calculated at STC:

- Irradiance: 1000 W/m²
- Cell Temperature: 77 °F (25 °C)
- Air Mass: 1.5

***30A CONTROLLER ALLOWS FOR EXPANSION — ADDITIONAL SOLAR MODULES**