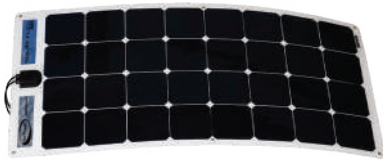




## KIT INCLUDES:



- 110W Flexible Solar Module



- MMPT Charge Controller (10A)



- 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 (10A)

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

## 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 (10A) SPECS

Nominal System Voltage	12/24VDC Auto (N/A to Lithium)
Max Solar Array Current	10A
Rated Charge Power	130W/12V   260W/24V
Max. PV open circuit voltage	60V (at min operating temperature) 46V (at 25 °C temperature)
Operating Consumption	≤13mA/12V; ≤11.5mA/24V
Temp. Compensation	-3mV/°C /2V (N/A to Lithium)
Operating Temperature	40 to 140 °F (-40 to 60°C)
Humidity	99% N.C.
Dimensions (HxWxD)	124 X 111 X 30mm (4.90 X 4.36 X 1.18in)
Weight	540g (1.19 lbs)
Warranty	5 years
Safety Features	Battery Reverse Polarity, Solar Array Reverse Polarity, Over temperature, Over Current, 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/m<sup>2</sup>
- Cell Temperature: 77 °F (25 °C)
- Air Mass: 1.5