

## GP-CPV-330-40 SOLAR KIT

Suitable for  
12 & 24V  
Applications



GP-FLEX-110 x3

### GP-FLEX-330

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
- Penetrating or adhesive mounting option
- 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



GP-MPPT-85/20

### GP-MPPT-85/20

The GP-MPPT-85/20 ensures maximum performance and yield from all types of PV systems year-round and in any environment.

The GP-MPPT-85/20 is an industrial Maximum Power Point Tracking (MPPT) charge controller featuring a robust, fully-sealed (IP68) housing that resists vibration as well as dust-, insect- and water ingress.

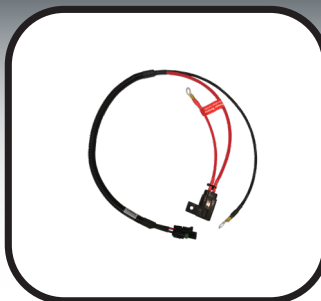
- IP68 rated waterproof protection with MC4 solar connections and Delphi battery connections
- Up to 98% power conversion efficiency
- Improved efficiencies provides up to 33% more output (up to 8.51 amps)

- 3-stage I/U curve sweep algorithm increases battery lifespan
- Anodized aluminum extrusion with built-in heat dissipation
- Fully encapsulated design prevents damage from water, corrosion, insects and/or dust
- Works with 12 or 24V battery systems (automatic battery voltage detection)
- Compatible with 60-cell modules
- Converts excess array voltage into additional charging current
- Allows up to 50% oversized array power for adding additional capacity in low-insolation months
- 5 year warranty

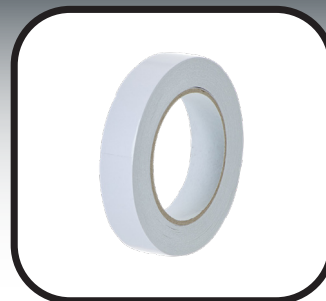
## CPV KITS INCLUDE:



Harness (40')



Harness (30')



3x 15' 4E vaseal Tape



## GP-CPV-330-40 SPECIFICATIONS

### Fleet Applications

#### GP-FLEX-110 SPECIFICATIONS

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

Power Specifications calculated at STC:

- Irradiance: 1000 W/m<sup>2</sup>
- Cell Temperature: 77 °F (25 °C)
- Air Mass: 1.5

#### GP-MPPT-85/20 SPECIFICATIONS

Nominal System Voltage	12/24V
Max Solar Array Current	20V
Battery Voltage Range	9V - 15.5V (12V System) 18V - 31V (24V System)
Max. Solar Panel Voltage	85V
Operating Consumption	<10mA
Temp. Compensation	-25mV / K (12V systems) -50mV / K (24V systems)
Operating Temperature	40 to 140 °F (-40 to 60°C)
Humidity	99% N.C.
Dimensions (HxWxD)	88.5 x 112 x 41.4mm (3.45 x 4.41 x 1.63in)
Weight	360g (1.38 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.