



MD Solar Solutions

Reducing Your Carbon Footprint While Saving You Money

MD Solar Solutions is an Authorized  **DOMETIC** Distributor

Go Power! Solar Bus Charging Solution

SOLAR FLEX™



Reduce Fuel Consumption

Save up to \$3500 annually in fuel costs and eliminate idling from your daily routine. See the return on your solar investment in as little as 3 months



Eliminate Battery Replacements

Topping up batteries with solar extends battery life from months to years, tripling their lifespan.



Eliminate Jump Starts

Adding solar keeps your batteries topped up whenever the sun is up, while driving or parked.

GO POWER! SOLAR FLEX™

The thin, lightweight and flexible module contours to a bus body with adhesive or screw mounting options. High-efficiency, marine-grade solar cells will charge your batteries for years.

Designed to eliminate power issues, the Go Power Solar Bus Charging solution is charges the battery daily, even while parked or in overcast weather conditions.

Tested by one of Canada 's leading school bus providers sense last year and no battery issues or boosting required, even during our harsh winter conditions. MPPT SOLAR CONTOLLER

Ensures maximum performance and yield from all types of PV systems year-round and in any environment. Don't be fooled with competitors using cheaper PWM controllers.

Contact us: mdsolar.ca | info@mdsolar.ca | 1.403.615.9907



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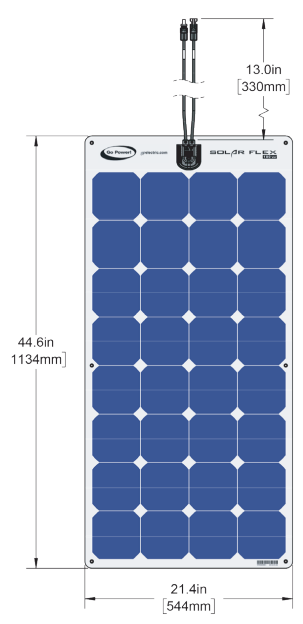
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SOLAR FLEX™ 110 WATT PANEL

Cell type	Monocrystalline
Rated power (Pm)	110W
Maximum power voltage (Vmp)	17.6V
Maximum power current (Imp)	6.31A
Open circuit voltage (Voc)	22.8V
Short circuit current (Isc)	6.60A
Voltage coefficient	-60.8mV / °C
Power coefficient	-0.38% / °C
Current coefficient	2.2mA / °C
Module efficiency	21%
Maximum system voltage	600VDC
Series fuse rating	10A
Weight	2.9 lb (1.35 kg)
Dimensions (inches)	44.6 x 21.4 x 0.1 in
Frame type / material	Laminated TPT backsheet, includes aluminum grommets
Max power tolerance	+/- 5%

30° max. recommended bend

- Power Specifications calculated at STC:
- Irradiance: 1000 W/m²
 - Cell Temperature: 77 °F (25 °C)
 - Air Mass: 1.5



GP-MPPT-60/10 SOLAR CONTROLLER

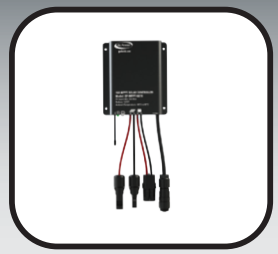
Nominal System Voltage	12/24VDC Auto (N/A to Lithium)
Max Solar Array Current	10A
Rated Charge Power	130W/12V 260W/24V
Max. PV open circuit voltage	60V (at min operating temperature) 46V (at 25 °C temperature)
Operating Consumption	≤13mA/12V; ≤11.5mA/24V
Operating Temperature	- 40 to 140°F / - 40 to 60°C
Temp. Compensation Coefficient	-3mV/°C / 2V (N/A to Lithium)
Battery Type	Sealed (Default) / Gel / Flooded/User; LiFePO4 / Li-NiCoMn/User
MPPT Voltage Range	(Battery voltage + 2V) to 36V
Dimensions (H x W x D):	4.90 X 4.36 X 1.18IN; 124 X 111 X 30MM
Weight	19.04 oz; 540 g
Maximum Wire Gauge:	#14 AWG
Warranty	5 Years
Protection	IP67
Communication	RS485

Complete Kit
\$599.00 USD + TAX
Includes shipping
to major cities
in the continental US
 (minium order of 20 kits)

CPV KITS INCLUDE:



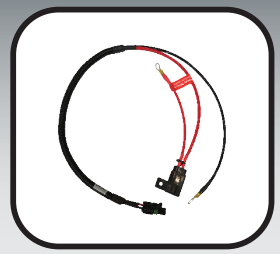
SolarFlex™ 110W Panel



MPPT 60/10 Solar Controller



Harness (14')



Harness (30")