



carmanah®
we put solar to work

CTI-100

SOLAR MODULE

Reliable

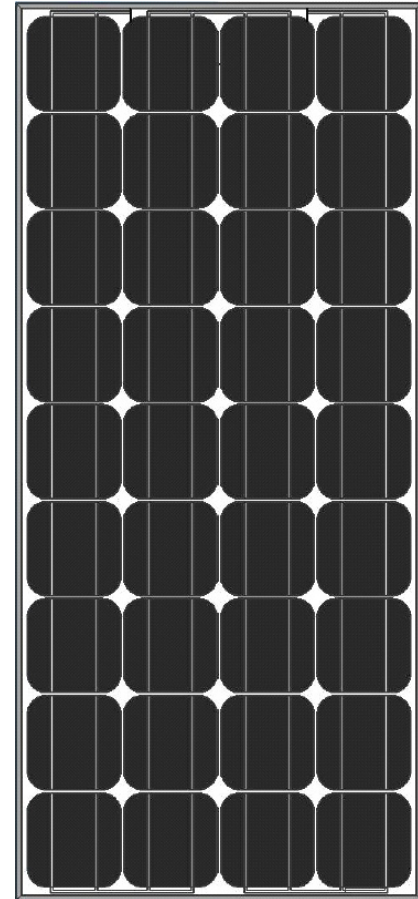
The CTI-100 Solar Module from Carmanah is a high-efficiency monocrystalline solar module that provides outstanding performance and cost-effective solar power for high-end off-grid and mobile applications. Carmanah's CTI-100 Solar Module is built to last and features a 25-year limited power output warranty.

Durable

To ensure long life, the high-efficiency solar cells are encapsulated between a special tempered, low-iron solar glass and a Tedlar®/polyester backing material. The mounting frame, manufactured from anodized marine-grade aluminum, allows the CTI-100 to be installed in extreme conditions.

The CTI-100 is ideal for:

- RV/Marine
- 12/24 Volt battery systems
- OEM
- Security Trailers
- Telecommunications
- Stand-alone or grid connected applications
- Signaling systems
- Remote telemetry
- Water pumping
- Other off-grid applications



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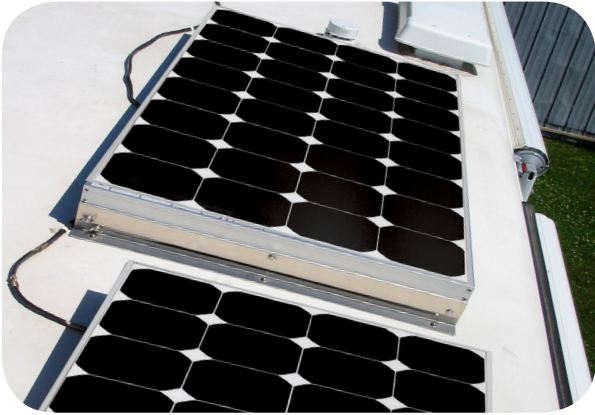
Features:

- Compact and rugged design
- Plug and play junction box
- Lightweight anodized aluminum frame
- High transmissivity tempered glass
- Industry standard quick-connect cables (MC4) work in series or in parallel
- 25 year limited power output warranty

REPRESENTED IN YOUR REGION BY:

CTI-100

SOLAR MODULE



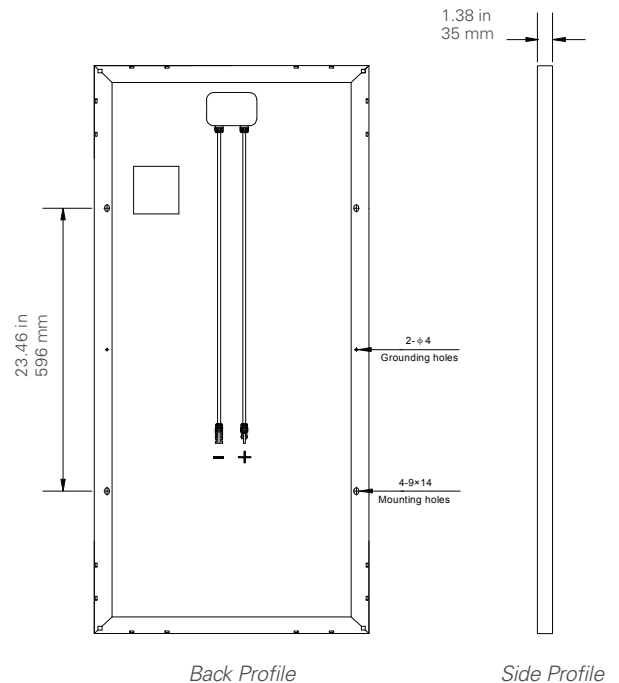
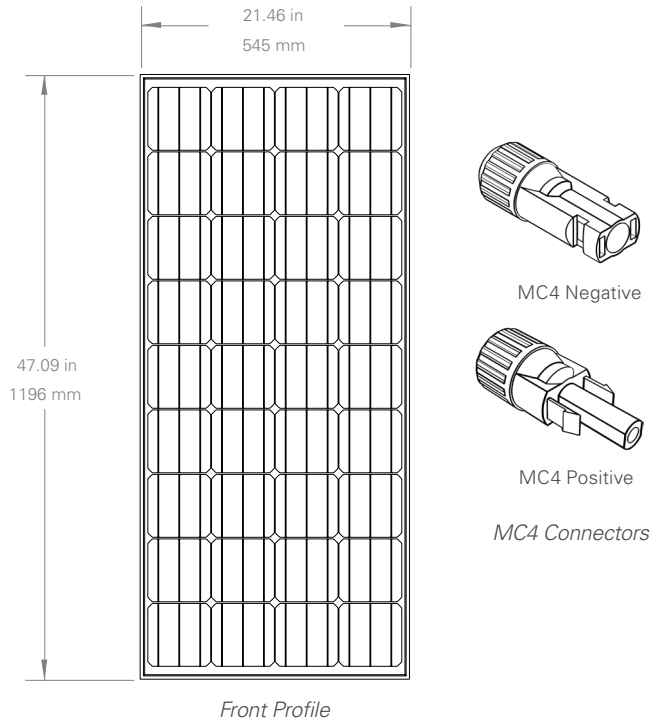
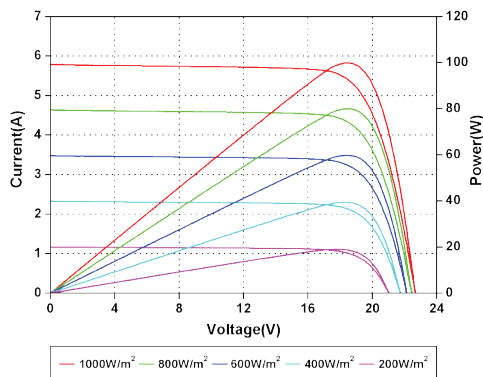
SPECIFICATIONS

Rated power (Pm)	100W
Maximum power voltage (Vmp)	18.4V
Maximum power current (Imp)	5.43A
Open circuit voltage (Voc)	22.6V
Short circuit current (Isc)	5.75A
Power coefficient	-0.43% / °C
Voltage coefficient	-0.33% / °C
Current coefficient	0.045% / °C
Max power tolerance	+/- 3%
Cell type	Monocrystalline
Module efficiency	15.34%
Series fuse rating	10A
Maximum system voltage	1000VDC
Weight	17.6 lb (8 kg)
Dimensions	47.09 x 21.46 x 1.38 in 1196 x 545 x 35 mm
Frame type / material	Clear anodized aluminum frame

Power Specifications calculated at STC:

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

IV CURVE PARAMETERS



Specifications subject to local environmental conditions.
Specifications may be subject to change.

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Document: SPEC_CTI-100_RevA