



carmanah®  
we put solar to work

MODEL

CTI-95

SOLAR MODULE

### Reliable

The CTI-95 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-95 Solar Module is built to last and features a 25-year limited power output warranty.

### Durable

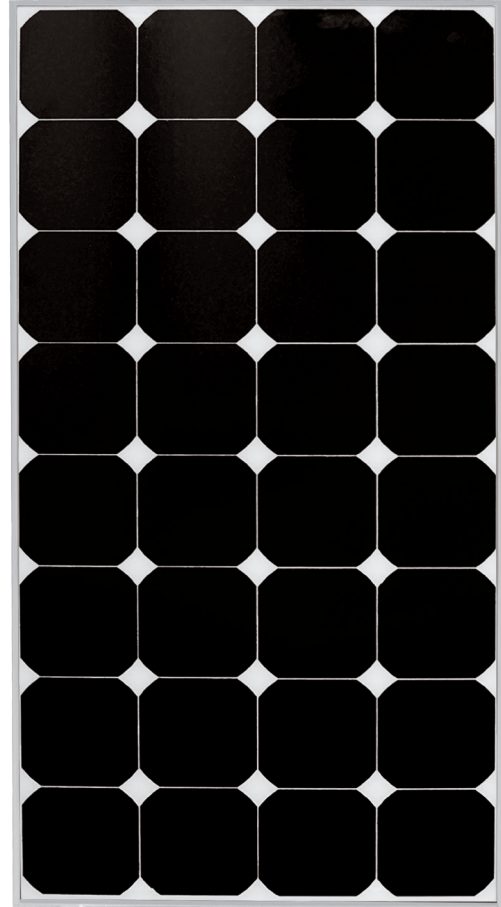
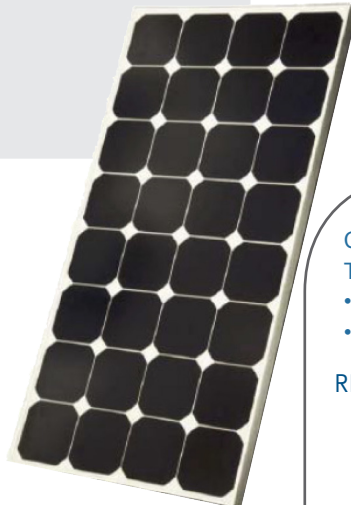
To ensure long life, the high-efficiency solar cells are encapsulated between a special tempered, low-iron solar glass and a Tedlar®/polyester backing material. The mounting frame, manufactured from anodized marine-grade aluminum, allows the CTI-95 to be installed in extreme conditions.

### The CTI-95 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

### Features:

- Compact and rugged design
- Plug and play junction box
- Lightweight anodized aluminum frame
- High transmissivity tempered glass
- MC4 cable connectors included



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Carmanah is backed by a worldwide network of solar professionals.  
To find a representative in your region:

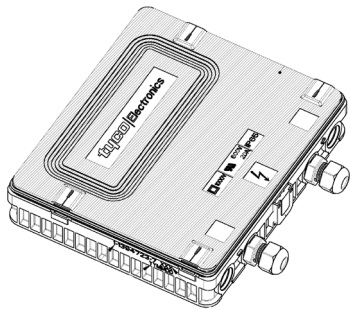
- visit us at [www.carmanah.com](http://www.carmanah.com)
- or call +1.250.380.0052 (toll-free US & Canada 1.877.722.8877)

REPRESENTED IN YOUR REGION BY:

# CTI-95

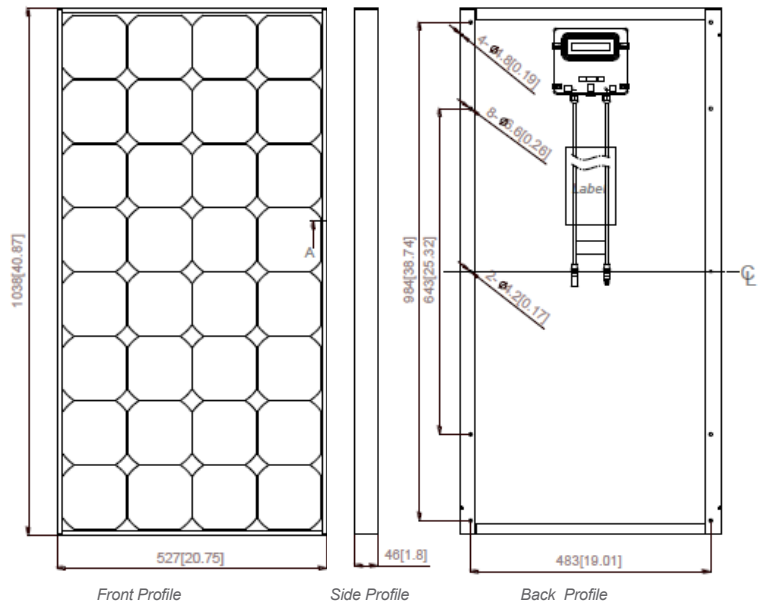
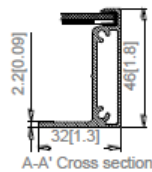
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### Tyco Junction Box features:

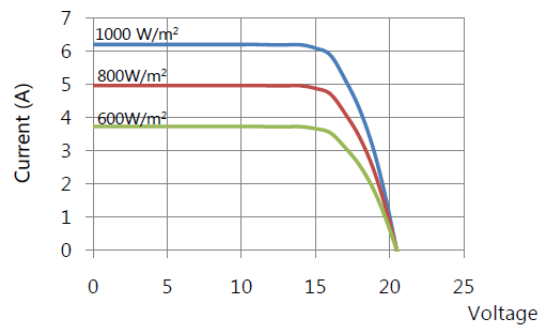
- Wire Specification: Copper; #14 AWG min.; 90 deg. C
- Min 5mm cable diameter to max 7 mm cable diameter
- Self-sealing lid
- MC4 cables included



## SPECIFICATIONS

Cell type	Monocrystalline
Rated power	95 W
Maximum power voltage	17.2 V
Maximum power current	5.53 A
Open circuit voltage	20.6 V
Short circuit current	6.19 A
Voltage coefficient	-60.8mV / °C
Power coefficient	-0.38% / °C
Module efficiency	18%
Cell efficiency	20%
Series fuse rating	15 A
Max system voltage	75 V
Weight	16.3 lb (7.4 kg)
Dimensions	40.8 x 20.8 x 1.8 inches 1037 x 527 x 46 mm
Frame type / material	>15µm clear anodized aluminum frame
Fire Rating	Class C
Design load	53.3 lbs / ft <sup>2</sup>

## IV CURVE PARAMETERS



Solar Cells: High-efficiency monocrystalline cells, 32 cells in series

Maximum power tolerance: +/- 5%

Power Specifications calculated at:

Irradiance: 1000 W/m<sup>2</sup>

Cell Temperature: 77 °F (25 °C)

Air Mass: 1.5G