



***Arriva***  
*by Coach House®*

# Section 8

## Optional Equipment



# Optional Equipment

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# Solar Battery Charger

The solar charger (95 Watt) will charge the auxiliary batteries with the master 12 Volt switch in the “on” or “off” position. A Charge Controller will optimize the charging rate and cut off the charging current when the batteries are fully charged. Optimal charging will be obtained in direct sunlight.



The charge controller panel is located just inside the entry door to the right. It will show the status of the charging system and the status of the “house” battery circuits. Refer to the Carmanah manual for instructions.







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

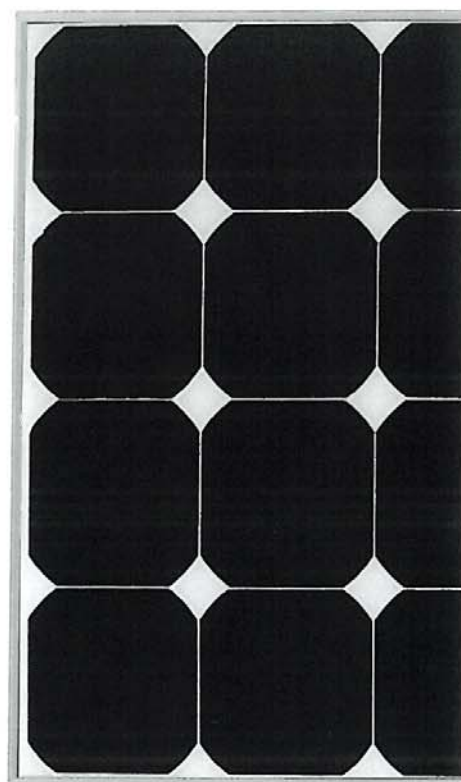
To ensure long life, the high-efficiency solar cells are encapsulated between a special tempered, low-iron solar glass and a Tedlar®/polyester backing material. The mounting frame, manufactured from anodized marine-grade aluminum, allows the CTI-95 to be installed in extreme conditions.

### 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



CTI-95 SOLAR MODULE



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:

Carmanah Technologies Corp. Web: [carmanah.com](http://carmanah.com) Email: [info@carmanah.com](mailto:info@carmanah.com) Telephone: 1.250.380.0052 Fax: 1.250.380.0062

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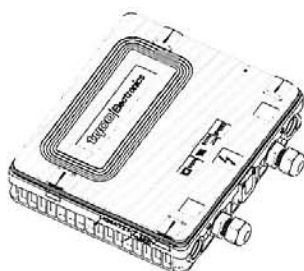
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# CTI-95

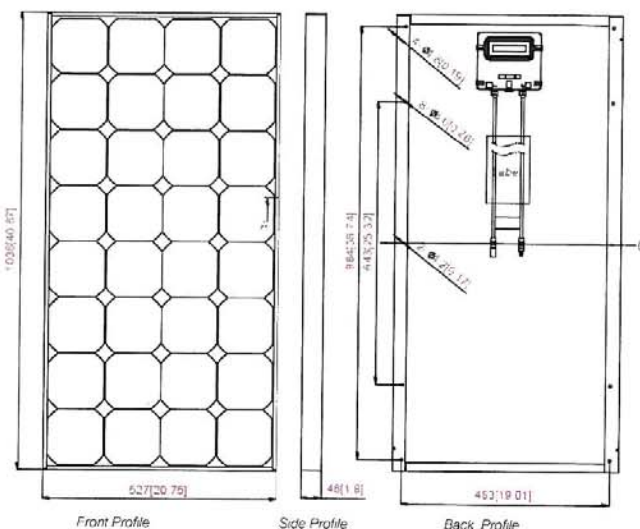
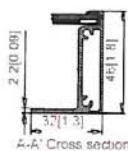
SOLAR MODULE

MODEL



## Tyco Junction Box features:

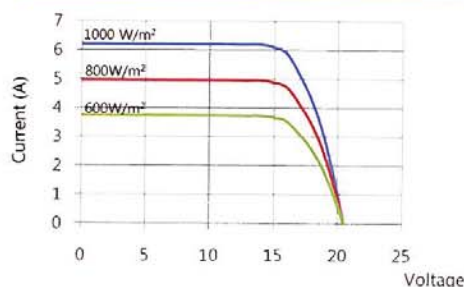
- Wire Specification: Copper; #14 AWG min.; 90 deg. C
- Min 5mm cable diameter to max 7 mm cable diameter
- Self-sealing lid
- MC4 cables included



## 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

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# Carefree of Colorado Awning



Your Coach House **ARRIVA** has been equipped with a Carefree of Colorado Awning. Electrical power is supplied from the 12 Volt “House” Batteries.

Make sure your Battery Cutoff Switch is in the ON position and the Inverter is turned ON any time the Electric Awning is deployed. Damage to your Awning or Motorhome may occur if power is not available in the event of inclement weather.

The main control for the awning is located just inside the main motorhome door on the Galley wall to the left.

Clean your awning with mild soap and water only.



# Insert Carefree Awning Manual Here



# Heated Holding Tanks

Heated Holding tanks are installed as optional equipment on your Coach House Platinum.

Manufactured by ULTRA HEAT INDUSTRIES, the tank heaters come in four sizes.

The larger tank heaters are equipped with a thermal sensor which will prevent the heaters from being activated unless the ambient air temperature is below 46 degrees fairenheim. This protection is to make sure your heaters do not come on inadvertently and “cook” the contents of your holding tanks.

ULTRA HEAT INDUSTRIES warrants tank heaters for a period of one year from the time of purchase and any failures should be reported directly to them at their factory.



**UHI Worldwide, Inc.**  
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USA



## Product Insert

### ONE-YEAR LIMITED WARRANTY

All UHI stock items carry a one (1) year warranty under normal use against manufacturing defects in UHI materials and/or workmanship. The warranty coverage starts on the date of the original purchase. This Limited Warranty covers only those defects which occur or exist within the one (1) year period referenced above. Any modification of UHI products, from original design and/or intended use, or improper installation shall **VOID** all warranties.

All of UHI's obligations pursuant to this Limited Warranty are limited to replacing the product at no additional cost or issuing an account credit memo for the product's cost.

### WARRANTY EXCLUSIONS

**UHI MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, including any IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, or NONINFRINGEMENT. In no event shall UHI be liable for special, indirect, or consequential damages arising out of the limited warranty.**

To the extent that applicable state and/or federal law prohibits the exclusion of any remedy permitted under state or federal law, any such remedy, including, but not limited to, implied warranties of merchantability, fitness, use, or purpose, is limited to **one (1) year** from the date of the original purchase.

### PROPER USE OF TRADEMARKS

UHI Worldwide, Inc., Ultra Heat, Inc., UltraHeat®, and Ultra-Heat™ and all individual product trademarks, service marks, logotypes, commercial symbols, insignias, and designs pertaining thereto, as they appear in any advertising medium, are proprietary marks of UHI Worldwide, Inc., and UHI owns all right, title, and interest in and to these proprietary marks. Trademarks and trade names may not be used in connection with any product or service that is not provided by UHI, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits UHI. Purchaser shall not remove, alter, or otherwise modify any identification marks or trademarks affixed by UHI to products.

### REPACKAGING

UHI products shall not be repackaged without the express, written approval of UHI. Under no circumstances shall UHI product labeling be removed, obstructed, or altered.

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