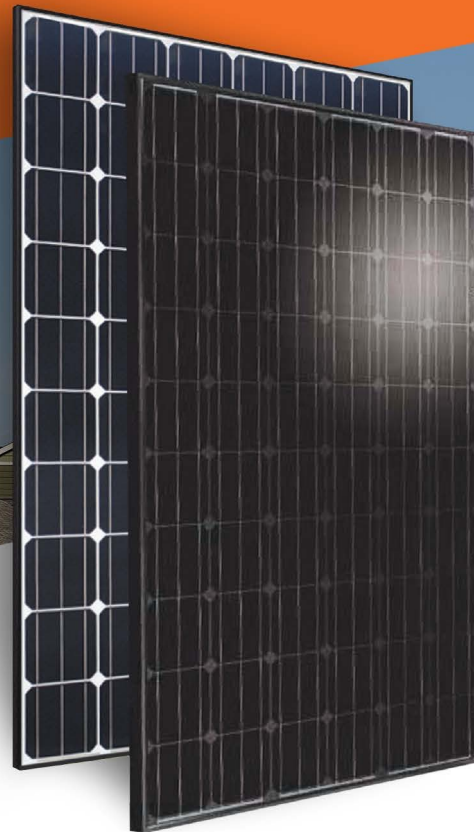


CertainTeed Solar

# US-SERIES SOLAR MODULES



## Mono-Crystalline Type:

CT290Mxx-02  
CT295Mxx-02  
CT300Mxx-02  
CT305Mxx-02

See reverse for  
product specifications



## Features and Benefits

### High Quality/ High Power

- 300W Black backsheet, 305W White backsheet
- UL listed (UL 1703)
- Output power tolerance +3/-0%
- PID Free

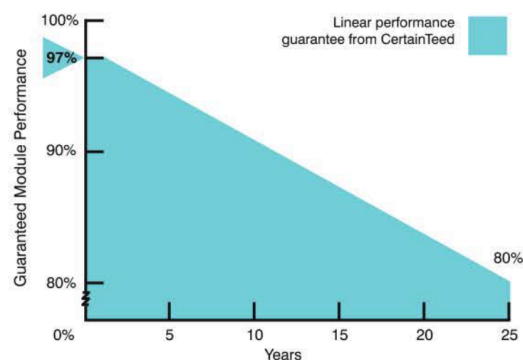
### Limited Warranty\*

- 10-year product warranty
- 25-year linear power output warranty

\*See CertainTeed's limited warranty for details



## Power Output Warranty



**CertainTeed**  
SAINT-GOBAIN



## Electrical Characteristics

		290W	295W	300W	305W
Nominal Output (Pmpp)	W	290	295	300	305
Voltage at Pmax (Vmpp)	V	32.00	32.24	32.48	32.73
Current at Pmax (Impp)	A	9.06	9.15	9.24	9.32
Open Circuit Current (Voc)	V	39.77	40.11	40.45	40.79
Short Circuit Current (Isc)	A	9.62	9.77	9.91	10.06
Output Tolerance	%	<<---- 0/+3% ---->>			
No. of Cells & Connections		<<---- 60 in series with 3 bypass diodes ---->>			
Cell Type		<<---- 6" Monocrystalline ---->>			
Module Efficiency	%	17.7	18.1	18.4	18.7
Temperature Coefficient of Pmpp	%/C	<<---- -0.38 ---->>			
Temperature Coefficient of Voc	%/C	<<---- -0.28 ---->>			
Temperature Coefficient of Isc	%/C	<<---- -0.04 ---->>			

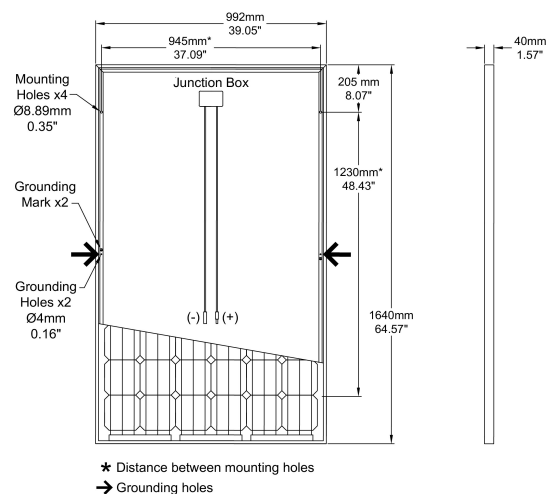


## Mechanical Characteristics

Laminate	<i>Glass:</i> 3.2mm high transmission tempered, anti-reflective <i>Encapsulant:</i> EVA <i>Backsheet:</i> Weatherproof film (black/white)
Frame	Anodized aluminum (Black)
Junction Box	IP68, IEC certified, UL listed
Output Cables	4mm <sup>2</sup> (12AWG) cables 1.0m (39.4") length
Connectors	Polarized MC4 compatible Weatherproof, IEC certified, UL listed
Weight	19.0 kg (41.9 lbs)



## Module Diagrams

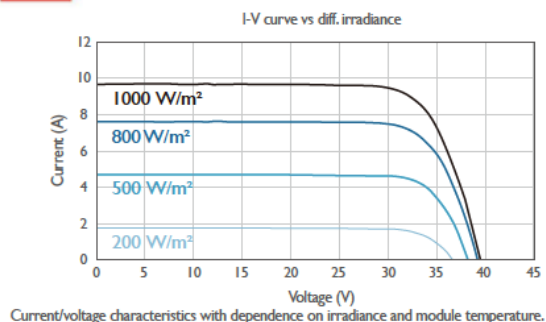


## Operating Characteristics

Nominal Operating Cell Temperature (NOCT)	46° C + 2
Operating Temperature	-40 to 85° C
Maximum System Voltage	1,000v
Series Fuse Rating	15 A
Fire Performance	Type 2
Maximum Wind Load	30 lbs/ft <sup>2</sup>



## I-V Curves



### CertainTeed Corporation

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • GYPSUM • CEILINGS • INSULATION

20 Moores Road Malvern, Pa 19355 Professional: 800-233-8990 Consumer: 800-782-8777 [certainteed.com](http://certainteed.com)