

CertainTeed Solar

CT SERIES 144 HALF-CELL SOLAR MODULES



Half-Cell Monocrystalline Type

- CT390HC11-04
- CT390HC00-04
- CT395HC11-04
- CT395HC00-04
- CT400HC11-04
- CT400HC00-04



Features and Benefits

High Quality / High Power

- Up to 390W black backsheet / 400W white backsheet
- UL listed (UL 1703)
- Positive power output tolerance

Limited Warranty*

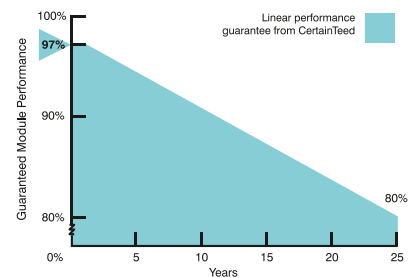
- 25-year linear power output warranty

*See CertainTeed's limited warranty for details

See reverse for product specifications



Power Output Warranty





Electrical Characteristics

		390W	395W	400W
Nominal Output (Pmpp)	W	390	395	400
Voltage at Pmax (Vmpp)	V	40.4	40.6	40.8
Current at Pmax (Impp)	A	9.7	9.7	9.8
Open Circuit Voltage (Voc)	V	48.2	48.4	48.6
Short Circuit Current (Isc)	A	10.5	10.6	10.6
Output Tolerance	W	-0 / + 5		
No. of Cells & Connections	144 half-cells in series / 3 bypass diodes			
Maximum Series Fuse Rating	20A			
Cell Type	6" half-cut monocrystalline			
Module Efficiency	%	19.4	19.6	19.9
Temperature Coefficient of Pmpp	%/C	-0.42		
Temperature Coefficient of Voc	%/C	-0.31		
Temperature Coefficient of Isc	%/C	0.05		

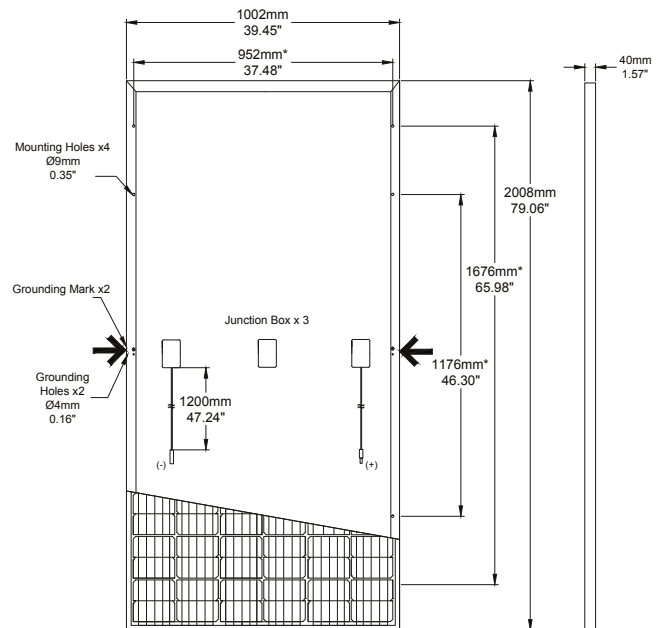


Mechanical Characteristics

Laminate	Glass: 3.2 high transmission, tempered, anti-reflective Encapsulant: EVA Backsheet: Weatherproof film (Black or White)
Frame	Anodized aluminum (Black or Silver)
Junction Box	IP67/IP68
Output Cables	4 mm ² (12AWG) PV Wire, Length 1.2m (47.2")
Connectors	Polarized MC4 compatible
Weight	23.0kg (50.7 lbs)



Dimensions



* Distance between mounting holes
→ Grounding holes



Operating Conditions

Nominal Operating Cell Temp.	45+/-2° C
Operating Temperature	-40 to 85° C
Maximum System Voltage	1,000V
Fire Performance	Class C / Type 1
Maximum Wind Load	50 lbs/ft ² (2400 Pa)
Maximum Snow Load	112 lbs/ft ² (5400 Pa)



CertainTeed

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