

CertainTeed Solar

CT SERIES 120 HALF-CELL SOLAR MODULES



Half-Cell Monocrystalline Type

CT305HC11-04
CT310HC11-04
CT315HC11-04



Features and Benefits

High Quality / High Power

- Up to 315W with black backsheet
- UL listed (UL 1703)
- Positive power output tolerance

Limited Warranty*

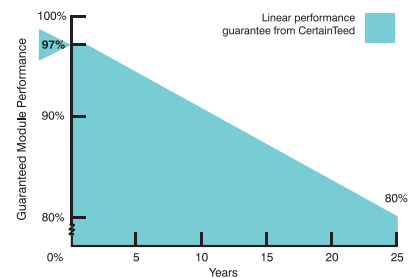
- 25-year linear power output warranty

*See CertainTeed's limited warranty for details

See reverse for product specifications



Power Output Warranty



CertainTeed
SAINT-GOBAIN



Electrical Characteristics

		305W	310W	315W
Nominal Output (Pmpp)	W	305	310	315
Voltage at Pmax (Vmpp)	V	32.4	32.6	32.8
Current at Pmax (Impp)	A	9.4	9.5	9.6
Open Circuit Voltage (Voc)	V	39.4	39.6	39.7
Short Circuit Current (Isc)	A	9.9	10.0	10.0
Output Tolerance	W	-0% / + 3%		
No. of Cells & Connections	120 half-cells with 3 bypass diodes			
Maximum Series Fuse Rating		20A	20A	20A
Cell Type	6" half-cut monocrystalline			
Module Efficiency	%	18.4%	18.7%	19.0%
Temperature Coefficient of Pmpp	%/C	-0.42		
Temperature Coefficient of Voc	%/C	-0.31		
Temperature Coefficient of Isc	%/C	0.05		

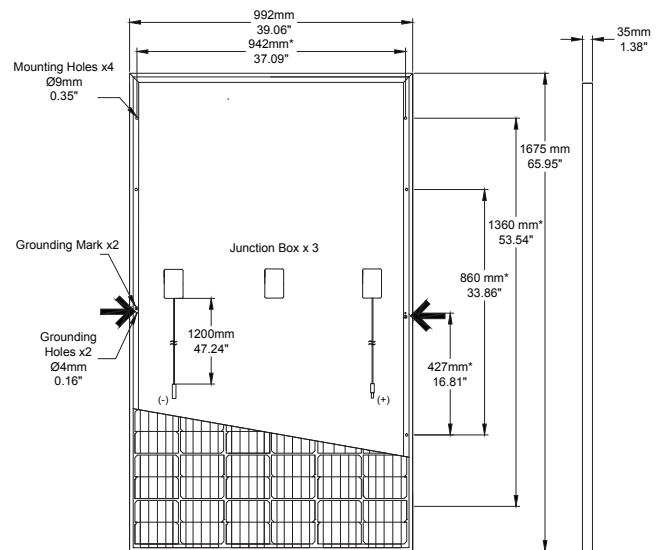


Mechanical Characteristics

Laminate	Glass: 3.2 high transmission, tempered, anti-reflective Encapsulant: EVA Backsheet: Weatherproof film (Black)
Frame	Anodized aluminum (Black)
Junction Box	IP67/IP68
Output Cables	4 mm ² (12AWG) PV Wire, Length 1.2m (47.2")
Connectors	Polarized MC compatible
Weight	18.5 kg (40.8 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	1,500v
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 Corporation

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