

CertainTeed Solar

CT SERIES 60 CELL SOLAR MODULES



Monocrystalline Type

CT285MXX-01
CT290MXX-01
CT295MXX-01

See reverse for
product specifications



Features and Benefits

High Quality / High Power

- Up to 295W
- UL listed (UL 1703)
- Output power tolerance +3/-0%
- PID Free

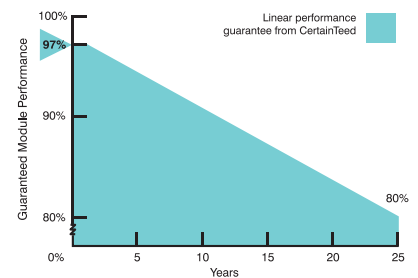
Limited Warranty*

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

*See CertainTeed's limited warranty for details



Power Output Warranty



CertainTeed
SAINT-GOBAIN

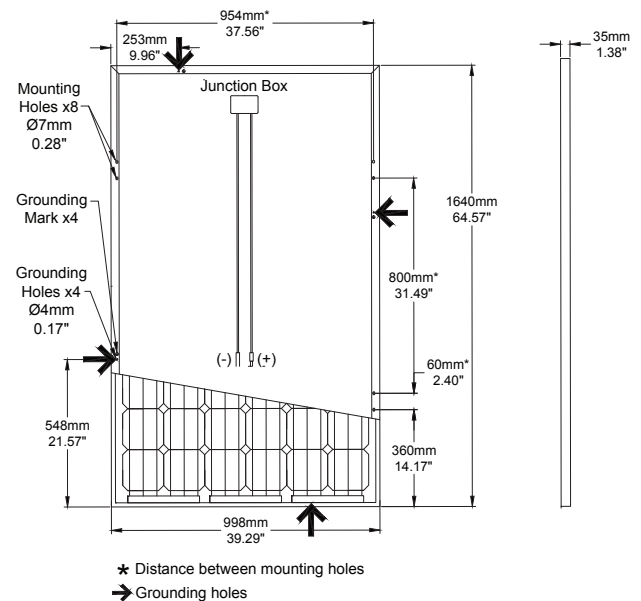
Electrical Characteristics

| | | 285W | 290W | 295W |
|---------------------------------|-----|-----------------------------------|------|------|
| Nominal Output (Pmpp) | W | 285 | 290 | 295 |
| Voltage at Pmax (Vmpp) | V | 31.8 | 32.0 | 32.1 |
| Current at Pmax (Impp) | A | 8.9 | 9.1 | 9.2 |
| Open Circuit Voltage (Voc) | V | 38.7 | 38.8 | 39.0 |
| Short Circuit Current (Isc) | A | 9.5 | 9.7 | 9.8 |
| Output Tolerance | % | +3/-0 | | |
| No. of Cells & Connections | | 60 in series with 3 bypass diodes | | |
| Cell Type | | 6" Monocrystalline | | |
| Module Efficiency | % | 17.4 | 17.7 | 18.0 |
| Temperature Coefficient of Pmpp | %/C | -0.42 | | |
| Temperature Coefficient of Voc | %/C | -0.03 | | |
| Temperature Coefficient of Isc | %/C | 0.05 | | |

Mechanical Characteristics

| | |
|---------------|---|
| Laminate | Glass: 3.2 high transmission, tempered, anti-reflective Encapsulant: EVA Backsheet: Weatherproof film (black/white) |
| Frame | Anodized aluminum (Black) |
| Junction Box | IP67, IEC certified, UL listed |
| Output Cables | 4 mm ² (12AWG) cables, Length 1.0m (39.4") |
| Connectors | Polarized MC4 compatible Weatherproof, IEC certified, UL listed |
| Weight | 18.7 kg (41.2 lbs) |

Dimensions



Operating Conditions

| | |
|------------------------------------|------------------------|
| Nominal Operating Cell Temperature | 46° C + 2 |
| Operating Temperature | -40 to 85° C |
| Maximum System Voltage | 600v |
| Maximum Series Fuse Rating | 20A |
| Fire Performance | Type 1 |
| Maximum Wind Load | 40 lbs/ft ² |