

# Solstice<sup>®</sup> Panel

## HALF-CELL 400W SOLAR MODULE

High performance, half-cell mono-crystalline 10BB 400W all-black modules produced using state of the art automated production lines and made using the highest quality materials and quality control standards.

### HALF-CELL MONOCRYSTALLINE TYPE

• CTM10400HC11-08

### FEATURES AND BENEFITS

#### High Quality / High Power

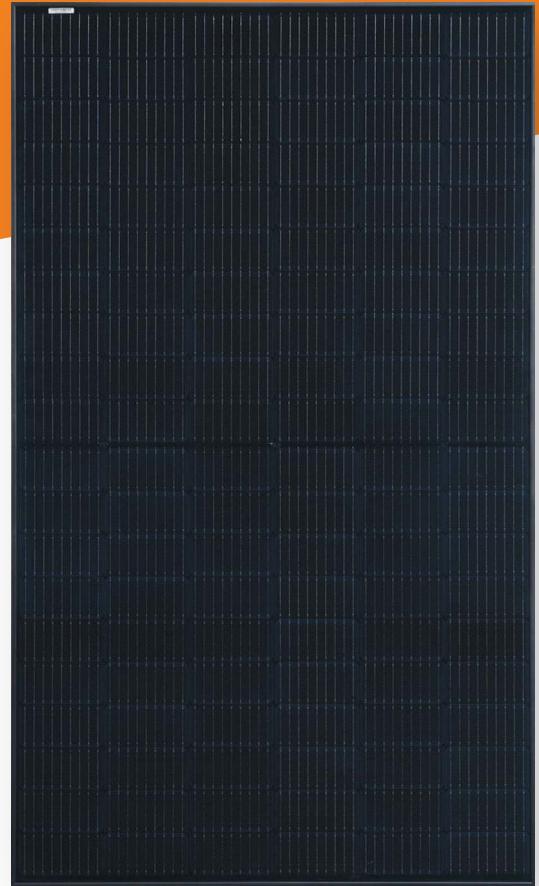
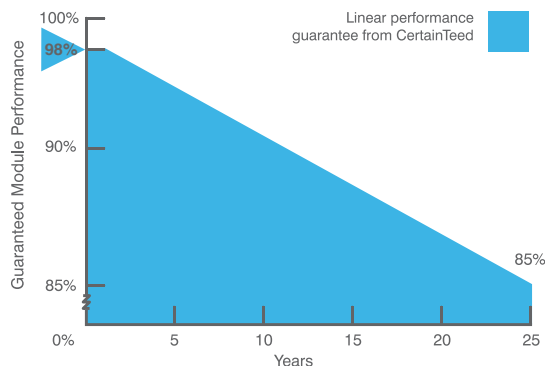
- 400W with black backsheet
- UL listed (61730-1, UL 61730-2)
- Positive power output tolerance

#### Limited Warranty\*

- 25-year linear power output warranty

\*See CertainTeed's limited warranty for details

### POWER OUTPUT WARRANTY



### OPERATING CONDITIONS

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Dimensions                         | 1721 x 1133 x 30 mm               |
| Nominal Operating Cell Temperature | 45 +/- 2° C                       |
| Operating Temperature              | -40 to 85° C                      |
| Maximum System Voltage             | 1,500V                            |
| Fire Performance                   | Class C / Type 1                  |
| Maximum Wind Load                  | 112 lbs/ft <sup>2</sup> (5400 Pa) |
| Maximum Snow Load                  | 112 lbs/ft <sup>2</sup> (5400 Pa) |

## ELECTRICAL CHARACTERISTICS

|                                 |     |                                     |
|---------------------------------|-----|-------------------------------------|
| Nominal Output (Pmpp)           | W   | 400                                 |
| Voltage at Pmax (Vmpp)          | V   | 31.00                               |
| Current at Pmax (Impp)          | A   | 12.92                               |
| Open Circuit Voltage (Voc)      | V   | 37.15                               |
| Short Circuit Current (Isc)     | A   | 13.55                               |
| Output Tolerance                | W   | -0 / + 5                            |
| No. of Cells & Connections      |     | 108 half-cells with 3 bypass diodes |
| Maximum Series Fuse Rating      |     | 25A                                 |
| Cell Type                       |     | Monocrystalline                     |
| Module Efficiency               | %   | 20.5                                |
| Temperature Coefficient of Pmpp | %/C | -0.35                               |
| Temperature Coefficient of Voc  | %/C | -0.22                               |
| Temperature Coefficient of Isc  | %/C | +0.05                               |

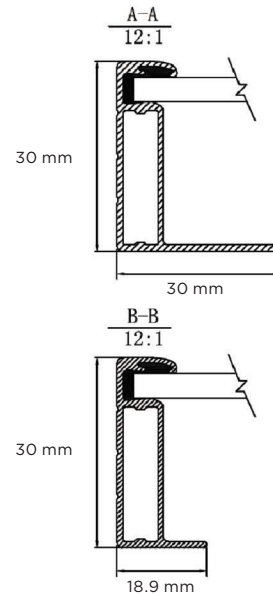
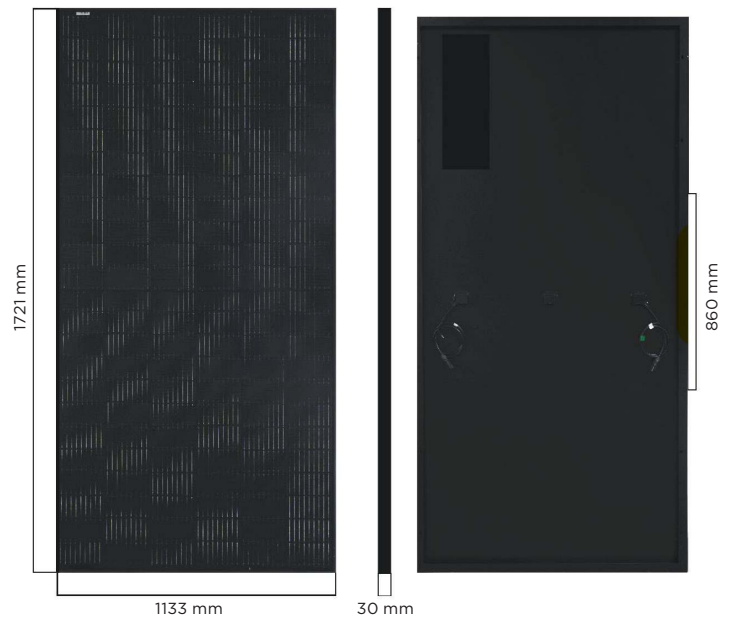
## MECHANICAL CHARACTERISTICS

|               |   |
|---------------|---|
| Glass         | Glass: 3.2 high transmission, tempered, anti-reflective |
| Frame         | Anodized aluminum (Black)                               |
| Junction Box  | IP68  |
| Output Cables | 4 mm <sup>2</sup> (12AWG) PV Wire, Length 1.2m (47.2")  |
| Connectors    | Staubli MC4   |
| Weight        | 45.2 lbs (20.5 kg)                                      |

## PACKAGING

|                      |     |
|----------------------|-----|
| Panels Per Pallet    | 37  |
| Panels Per Container | 962 |

## DIMENSIONS



**CertainTeed**

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