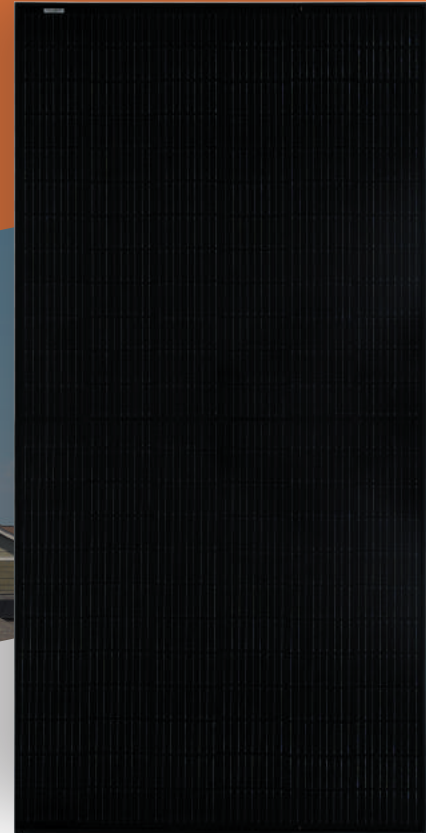


CertainTeed Solar

# CT SERIES 144 HALF-CELL BIFACIAL SOLAR MODULES



## Half-Cell Monocrystalline Type

CT430HC12-06  
CT435HC12-06  
CT440HC12-06



## Features and Benefits

### High Quality / High Power

- Up to 440W with All-Black design
- Resilient design for extreme weather
- Up to 30% more energy with rear-side generation

### Limited Warranty\*

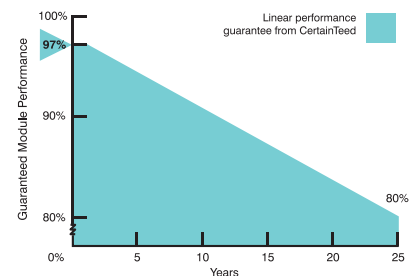
- 25-year linear power output warranty

\*See CertainTeed's limited warranty for details

See reverse for product specifications



## Power Output Warranty





## Electrical Characteristics

		430W	435W	440W
Nominal Output (Pmpp)	W	430	435	440
Voltage at Pmax (Vmpp)	V	40.6	40.8	41.0
Current at Pmax (Impp)	A	10.60	10.67	10.74
Open Circuit Voltage (Voc)	V	49.5	49.7	49.9
Short Circuit Current (Isc)	A	11.19	11.26	11.33
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	%	19.76	19.98	20.21
Temperature Coefficient of Pmpp	%/C	-0.36		
Temperature Coefficient of Voc	%/C	-0.29		
Temperature Coefficient of Isc	%/C	0.05		

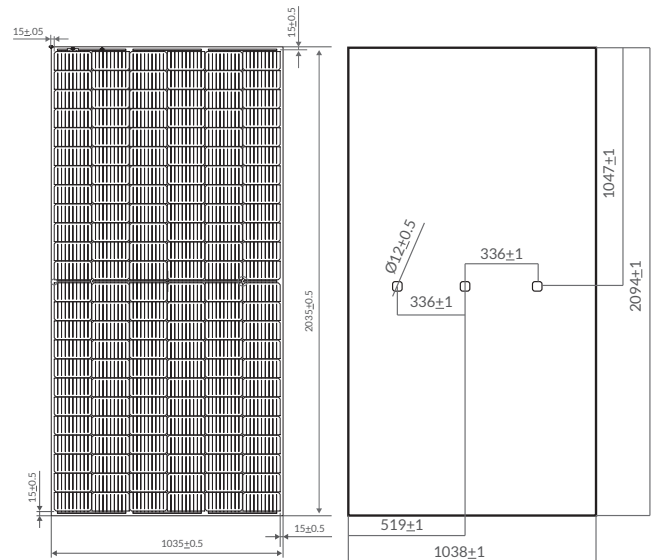


## Mechanical Characteristics

Laminate	Glass: 3.2 high transmission, tempered, anti-reflective Encapsulant: POE Backsheet: Weatherproof film (Transparent)
Frame	Anodized aluminum (Black)
Junction Box	IP67/IP68
Output Cables	4 mm <sup>2</sup> (12AWG) PV Wire, Length 1.2m (39.37")
Connectors	Polarized MC4 compatible
Weight	24.01 kg (53.13 lbs)



## Dimensions



## Operating Conditions

Nominal Operating Cell Temp.	44+/-2° C
Operating Temperature	-40 to 85° C
Maximum System Voltage	1,000V
Fire Performance	Class C / Type 1
Maximum Wind Load	113 lbs/sq ft. (5400 Pa) / 210 mph
Maximum Snow Load	113 lbs/ft <sup>2</sup> (5400 Pa)



### CertainTeed

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