



Photovoltaic Modules 235 WATT

IM60 Series Photovoltaic Modules

Made in America!

MTPVP-235-MSC 235W

FEATURES

- 60 MOTECH polysilicon solar cells connected in series
- Designed for 600V or 1000V applications
- For commercial or residential grid-tied applications
- Robust, anodized aluminum frame and tempered glass
- Tyco junction box, easy-click connectors, and cable
- Global manufacturing and world-class quality

QUALITY, RELIABILITY, AND YIELD

Motech modules are powered by some of the highest performance and most reliable silicon cells in the solar industry. Motech modules are engineered and tested to the highest possible quality standards and are recognized throughout the world for their ability to deliver lifetime performance and, most importantly, maximized kWh yield.



25-YEAR EXTENDED WARRANTY



IEC 61215
IEC 61730



UL 1703
CEC listed

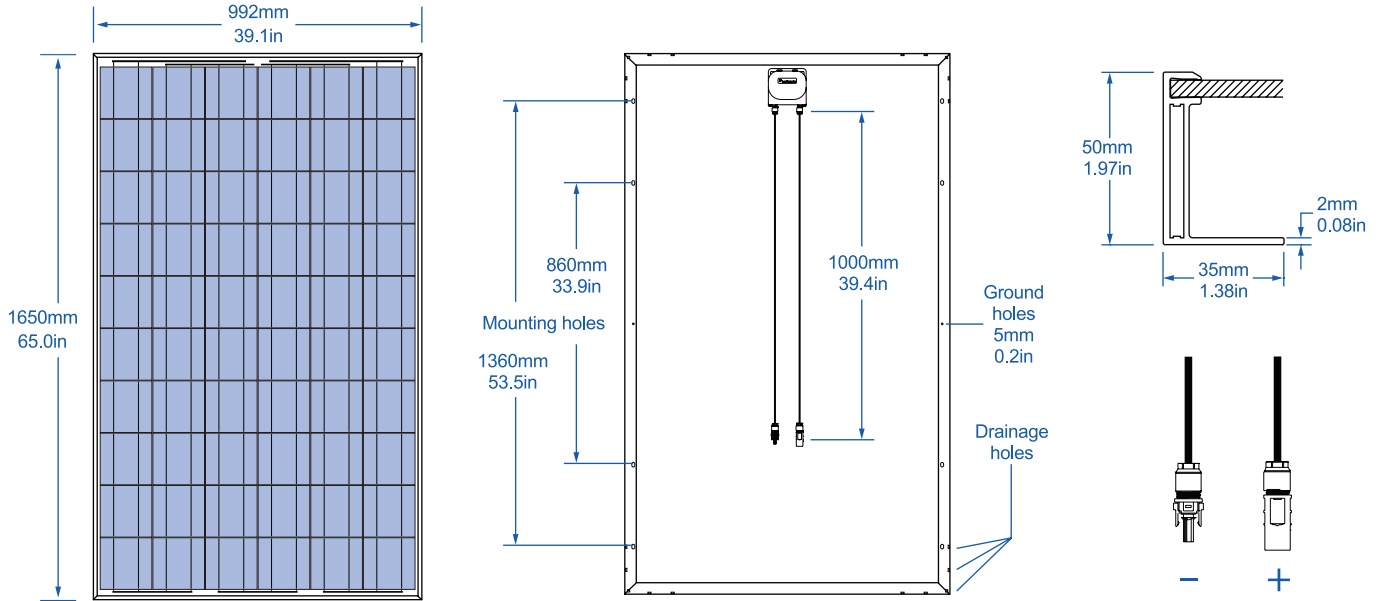


Application Class A
Safety Class II

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PHYSICAL CHARACTERISTICS

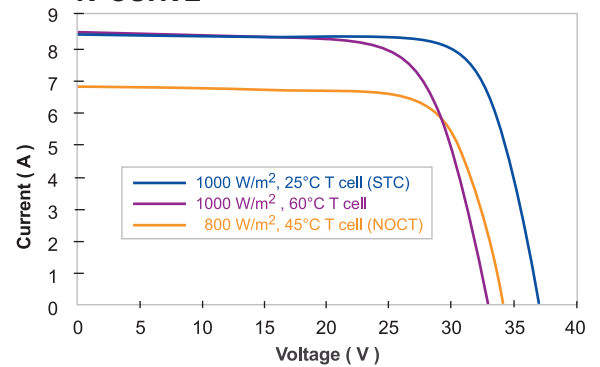


PHYSICAL DESIGN PROPERTIES

Weight	43.7 lb [19.8 kg]
Maximum Tested Load	±50 psf [2400 Pa] / +113 psf [5400 Pa] *
Hailstone Impact Resistance	1" @ 50 mph [25 mm @ 80 kph]
Junction Box	IP65 rated
Output Cables	4.0mm ² Universal PV Wire, 1000mm [39.4in], Tyco SOLARLOK® Connectors

*Refer to module installation instructions for maximum loading configurations.

IV CURVE



ELECTRICAL PERFORMANCE

Peak Power	Pmax (Wp)	230	235	240	245
Max. Power Voltage	V _{mpp} (V)	30.5	30.7	31.0	31.2
Max. Power Current	I _{mpp} (A)	7.6	7.7	7.8	7.9
Open Circuit Voltage	V _{oc} (V)	36.7	37.0	37.1	37.4
Short Circuit Current	I _{sc} (A)	8.1	8.2	8.3	8.4

ELECTRICAL PERFORMANCE PARAMETERS

Short Circuit Temp. Coefficient	α (I _{sc})	0.04%/°C	Max. Series Fuse	15A
Open Circuit Voltage Coefficient	β (V _{oc})	-0.32%/°C	Max. System Voltage	600V, 1000V
Max. Power Temp. Coefficient	γ (P _{max})	-0.45%/°C	Normal Operating Cell Temp. (NOCT)	45°C ± 2°C
Efficiency Reduction at 200W/m ² , 25°C		<5%	Limiting Reverse Current (I _r)	8.4A

IV parameters are rated at Standard Test Conditions (Irradiance of 1000 W/m², AM 1.5G, cell temperature 25°C). All measurements are guaranteed at the laminate leads. NOCT is measured at 800 W/m², 20 deg. C ambient, and 1 m/s windspeed. Specifications are subject to change without notice.