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IM72CB PHOTOVOLTAIC MODULES

IM72 SERIES PHOTOVOLTAIC MODULES

PEAK POWER: 325-330 Wp

FEATURES INCLUDE:

- 72 multicrystalline solar cells connected in series.
- Positive power tolerance of 0~3% improves system performance
- Industry-leading module efficiency: maximum efficiency of 16.92%
- Tested up to 5400Pa for maximum load resistance.
- Verified resistance against PID effects
- Progressive Power Warranty guarantees 83.1% of rated power at 25 years
- Manufactured globally with world-class quality standards

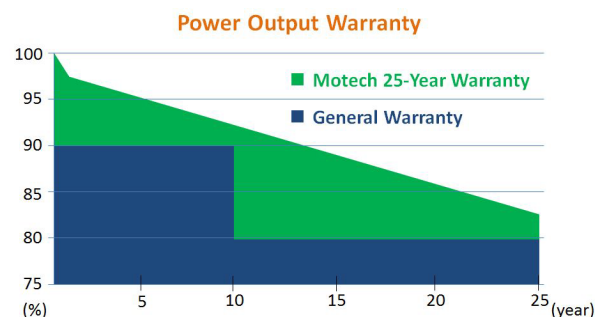


QUALITY, RELIABILITY, AND KWH YIELD

Motech modules are powered by industry acknowledged high performance, reliable silicon cells. 20 years of experience in solar module engineering and design, along with rigorous durability and performance tests, ensure reliable lifetime performance and maximum kWh yield.

25-YEAR PROGRESSIVE WARRANTY*

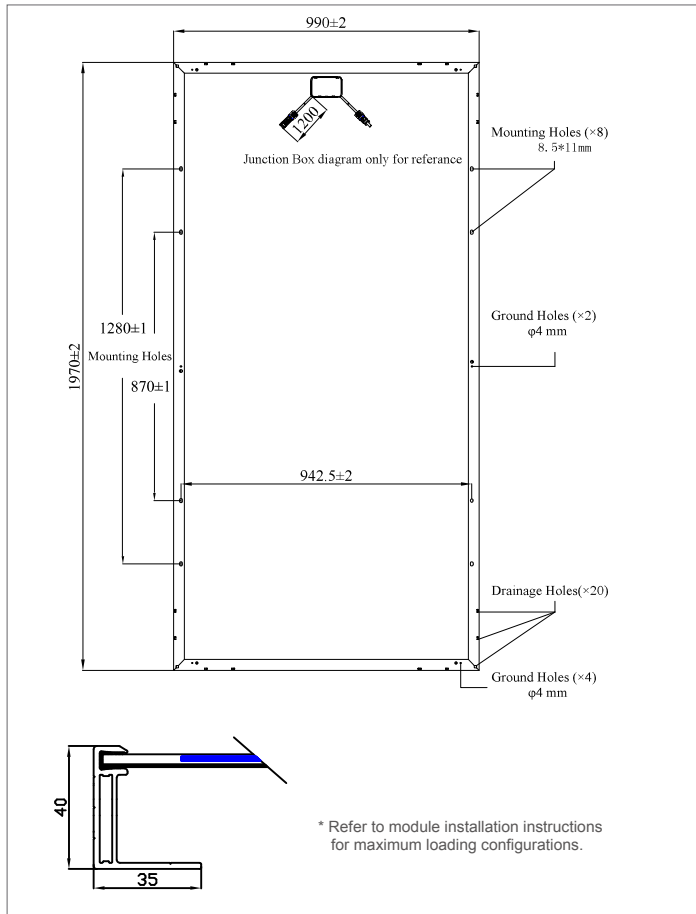
- 25-year progressive power warranty
- 12-year warranty on materials and workmanship



CERTIFICATIONS & STANDARDS*



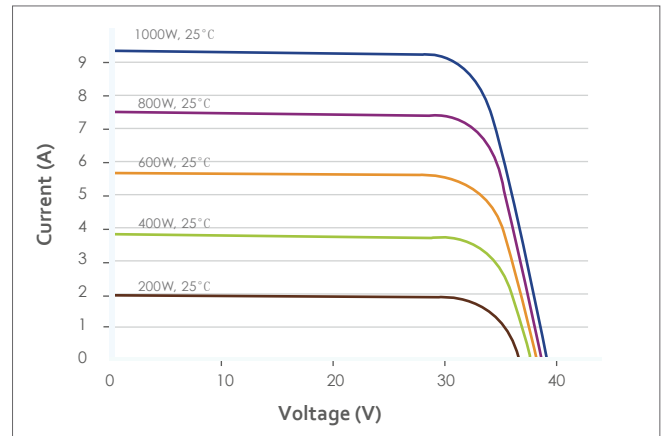
PHYSICAL CHARACTERISTICS



PHYSICAL DESIGN PROPERTIES

Dimension	1970×990×40mm
Weight	23 kg±5%
Glass	3.2 mm Tempered Coated PV Glass
Junction Box	IP67/IP68 with 3 bypass diodes
Output Cables	Φ4.0mm ² , 1200mm
Connectors	MC4 Compatible
Packing	27 pcs/pallet, 594 pcs/container(40'HQ)

IV CURVE



ELECTRICAL PERFORMANCE

IM72CB-325

IM72CB-330

Electrical Performance @ STC			
Maximum Power P _{max} [Wp]		325	330
Max. Power Voltage	V _{mpp} (V)	37.41	37.64
Max. Power Current	I _{mpp} (A)	8.69	8.77
Open Circuit Voltage	V _{oc} (V)	46.21	46.51
Short Circuit Current	I _{sc} (A)	9.18	9.24
Module Efficiency (%)		16.66%	16.92%

ELECTRICAL PERFORMANCE PARAMETERS

Isc Temperature Coefficient	α (%/°C)	+0.05	Maximum Series Fuse Rating	15A
Voc Temperature Coefficient	β (%/°C)	-0.34	Max. System Voltage (IEC)	1000V
Pmax Temperature Coefficient	γ (%/°C)	-0.42	Nominal Operating Cell Temp.(NOCT)	45°C ± 2°C

IV parameters are rated at Standard Test Conditions (Irradiance of 1000 W/m², AM 1.5, cell temperature 25°C). All measurements are guaranteed at the laminate leads.

NOCT is measured at 800 W/m², 20°C ambient, and 1 m/s windspeed. Specifications are subject to change without notice.

Motech reserves the rights of final interpretation and revision on this datasheet.

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