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IM60CB PHOTOVOLTAIC MODULES

XS60+ SERIES PHOTOVOLTAIC MODULES

PEAK POWER: 270-280 Wp

FEATURES INCLUDE:

- 60 multicrystalline solar cells connected in series.
- Positive power tolerance of 0~3% improves system performance
- Industry-leading module efficiency: maximum efficiency of 17.21%
- 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

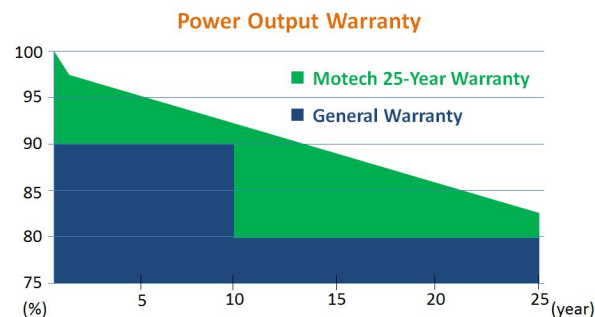
QUALITY, RELIABILITY, AND KWH YIELD

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*

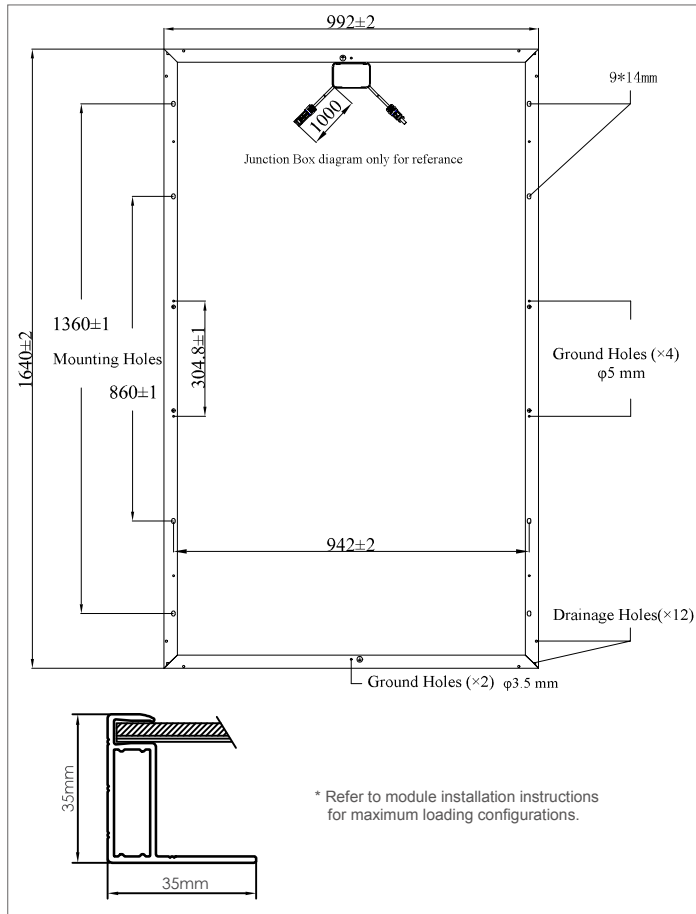
- 25-year progressive power warranty
- 12-year warranty on materials and workmanship



CERTIFICATIONS & STANDARDS*



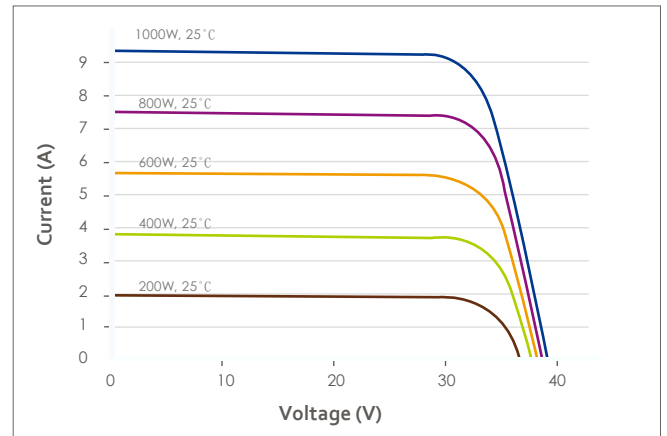
PHYSICAL CHARACTERISTICS



PHYSICAL DESIGN PROPERTIES

Dimension	1640×992×35mm
Weight	18.5 kg±5%
Glass	3.2 mm Tempered Coated PV Glass
Junction Box	IP67/IP68 with 3 bypass diodes
Output Cables	Φ4.0mm ² , 1000mm
Connectors	MC4 Compatible
Packing	31 pcs/pallet, 868 pcs/container(40'HQ)

IV CURVE



ELECTRICAL PERFORMANCE

IM60CB-270

IM60CB-275

IM60CB-280

Electrical Performance @ STC				
Maximum Power Pmax[Wp]		270	275	280
Max. Power Voltage	V _{mpp} (V)	31.69	32.20	32.71
Max. Power Current	I _{mpp} (A)	8.52	8.54	8.56
Open Circuit Voltage	V _{oc} (V)	38.43	38.83	39.23
Short Circuit Current	I _{sc} (A)	9.09	9.12	9.15
Module Efficiency (%)		16.60%	16.90%	17.21%

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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