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Solar Panel Guide Specification Data Sheet

Motech Industries Inc.

IM72CB 320-330

IM72CB-325

Also available on the web at
EnergyPal.com/motech-industries-inc-solar-panels/im72cb-325



IM 72 SERIES PHOTOVOLTAIC MODULES

PEAK POWER: 320-330 Wp

FEATURES INCLUDE:

- 72 MOTEC multicrystalline solar cells connected in series
- Positive power tolerance of 0~3% improves system performance
- Industry-leading module efficiency: maximum efficiency of 16.9%
- Tested up to 5400Pa for maximum load resistance
- Verified resistance against PID effects
- Progressive Power Warranty guarantees 80.2% of rated power at 25 years
- Manufactured globally with world-class quality standards

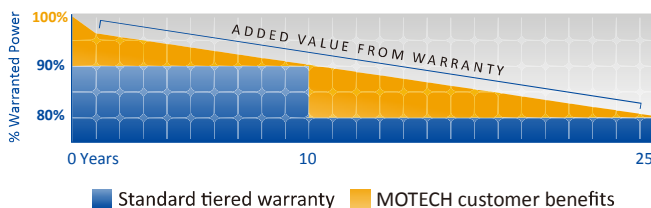
QUALITY, RELIABILITY, AND KWH YIELD

MOTEC modules are powered by industry acknowledged high performance, reliable MOTEC 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*

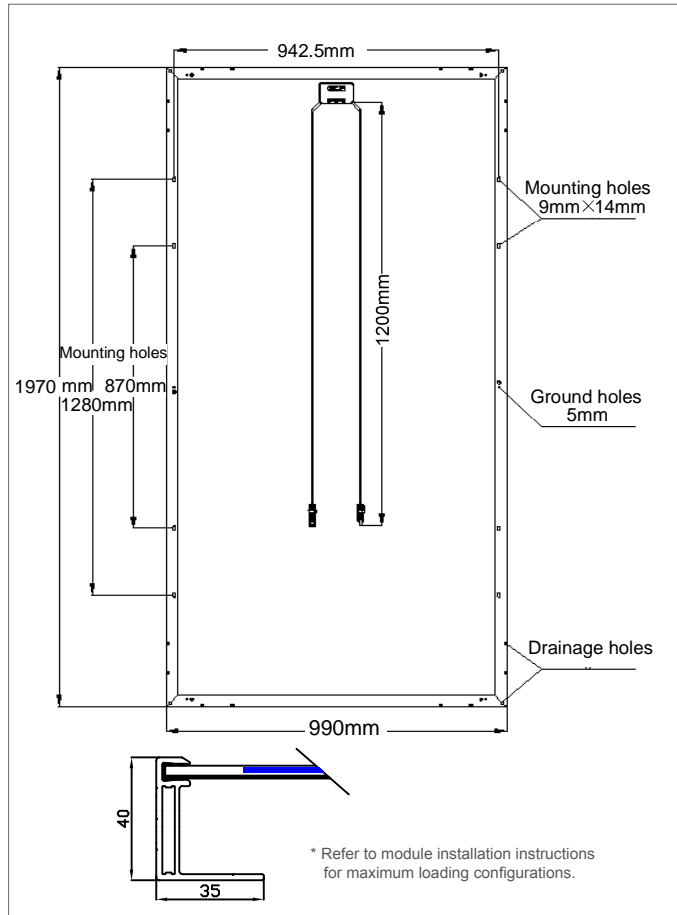
- 25-year progressive power warranty
- 10-year warranty on materials and workmanship



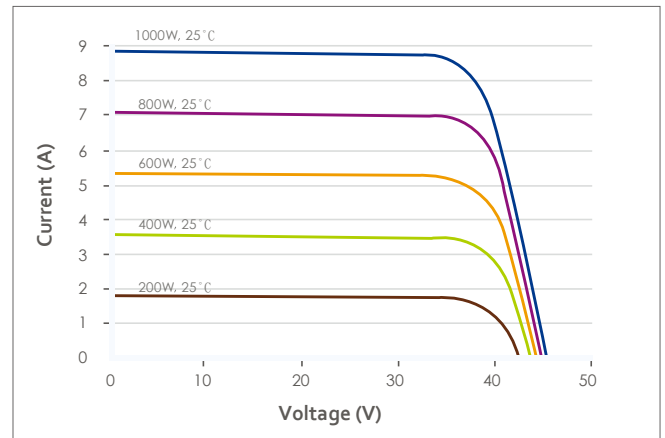
CERTIFICATIONS & STANDARDS*



Application Class A
Safety Class II

PHYSICAL CHARACTERISTICS

PHYSICAL DESIGN PROPERTIES

Dimension	1970×990×40 mm
Weight	23 kg±5%
Glass	3.2mm low iron tempered glass with anti-reflective coating
Junction Box	IP68 / IP67 with 3 bypass diodes
Output Cables	Φ4.0mm ² , 1200mm
Connectors	MC4 Compatible
Packing	27pcs/ pallet, 594pcs/ container (HQ)

IV CURVE

ELECTRICAL PERFORMANCE
IM72CB-320
IM72CB-325
IM72CB-330

Electrical Performance @ STC				
Maximum Power Pmax[Wp]		320	325	330
Max. Power Voltage Vmpp(V)		37.18	37.41	37.64
Max. Power Current Impp(A)		8.61	8.69	8.77
Open Circuit Voltage Voc(V)		45.91	46.21	46.51
Short Circuit Current Isc(A)		9.12	9.18	9.24
Module Efficiency (%)		16.4%	16.7%	16.9%

ELECTRICAL PERFORMANCE PARAMETERS

Isc Temperature Coefficient	α (%/°C)	+0.05	Max. Series Fuse	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
Efficiency Reduction at 200W/m ² , 25°C		<5%		

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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