



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

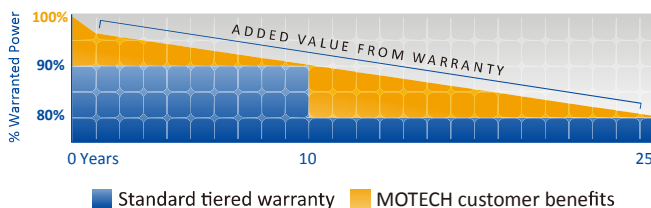
QUALITY, RELIABILITY, AND KWH YIELD

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.

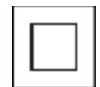


25-YEAR PROGRESSIVE WARRANTY*

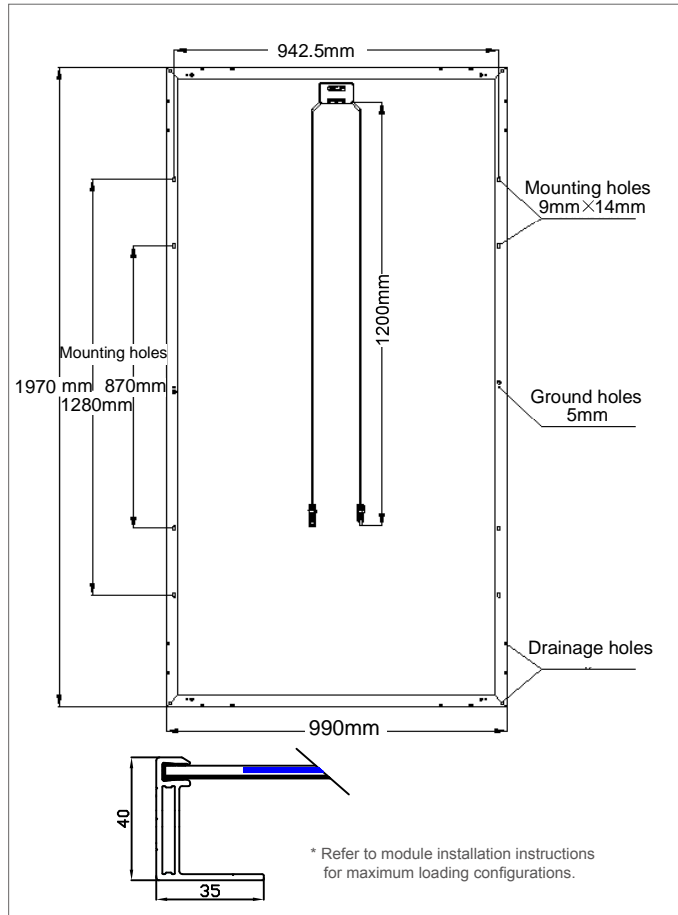
- 25-year progressive power warranty
- 10-year warranty on materials and workmanship



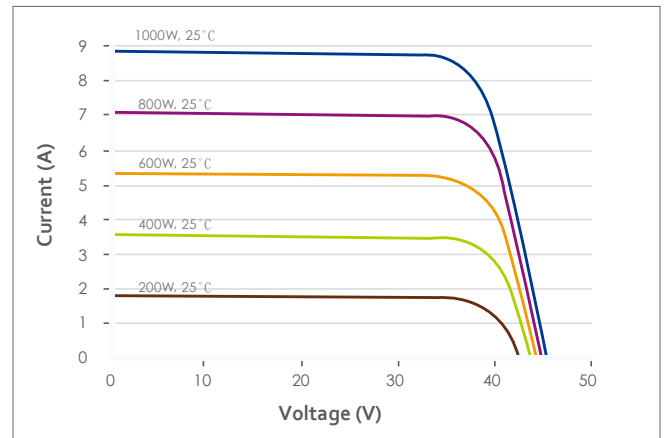
CERTIFICATIONS & STANDARDS*



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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