



# XS72 SERIES PHOTOVOLTAIC MODULES

PEAK POWER: 325-340 Wp

## FEATURES INCLUDE:

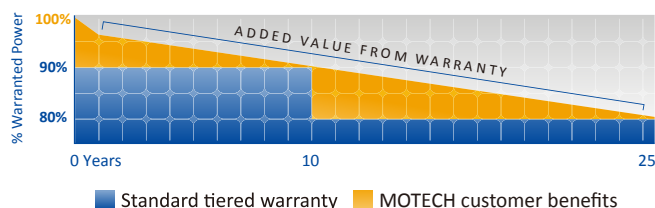
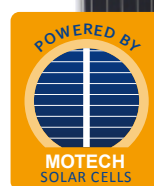
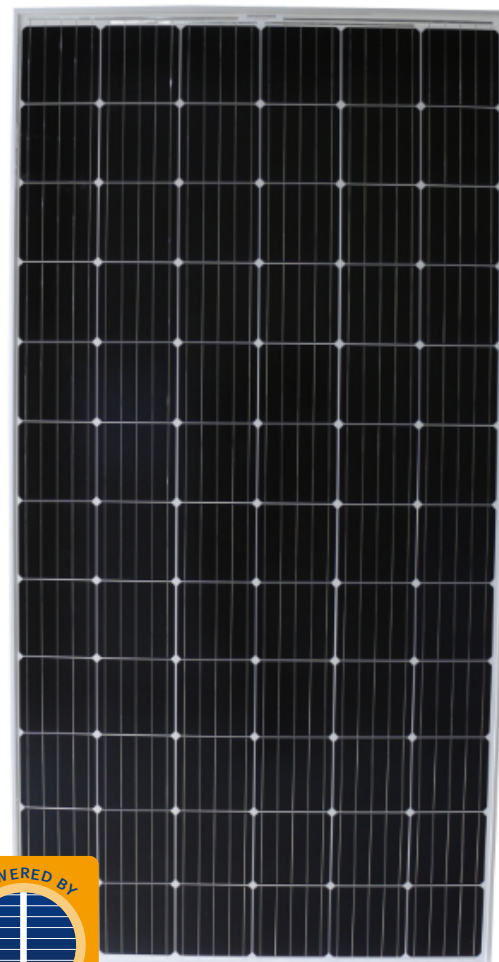
- 72 MOTTECH monocrystalline solar cells connected in series
- Positive power tolerance of 0~3% improves system performance
- Industry-leading module efficiency: maximum efficiency of 17.4%
- Tested up to 5400Pa for maximum load resistance
- Verified resistance against PID effects
- Progressive Power Warranty guarantees 80.2% of rated power at 25 years
- Manufactured globally with world-class quality standards

## QUALITY, RELIABILITY, AND KWH YIELD

MOTTECH modules are powered by industry acknowledged high performance, reliable MOTTECH 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

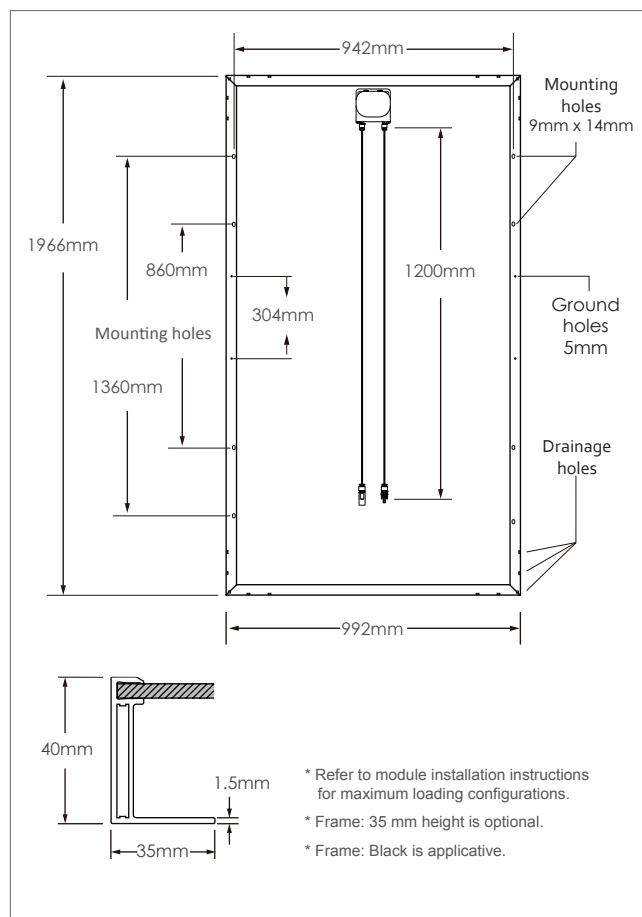


## CERTIFICATIONS & STANDARDS\*

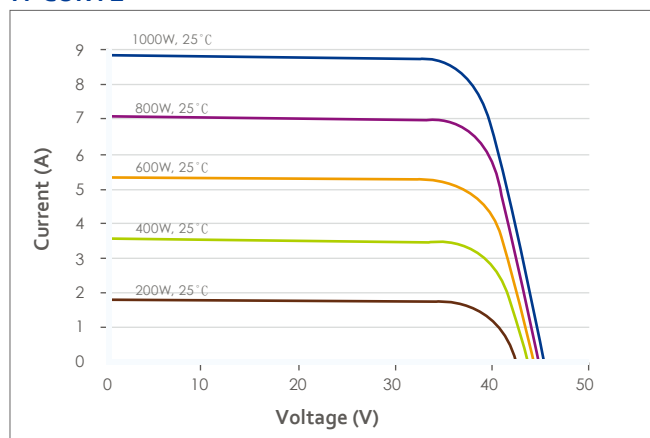


Application Class A  
Safety Class II

\* Please refer to our website at [www.mottechsolar.com](http://www.mottechsolar.com) for certification and warranty details

**PHYSICAL CHARACTERISTICS**

**PHYSICAL DESIGN PROPERTIES**

Dimension	1966×992×40 mm
Weight	26.7 kg±5%
Glass	3.2mm low iron tempered glass with anti-reflective coating
Junction Box	IP67 with 3 bypass diodes
Output Cables	Φ4.0mm <sup>2</sup> , 1000mm
Connectors	MC4 Compatible
Packing	26 pcs/ pallet,572 pcs/ container (HQ)

**IV CURVE**

**ELECTRICAL PERFORMANCE**
**XS72C4-325**
**XS72C4-330**
**XS72C4-335**
**XS72C4-340**

Electrical Performance @ STC					
Maximum Power P <sub>max</sub> [Wp]		325	330	335	340
Max. Power Voltage V <sub>mpp</sub> (V)		37.92	38.15	38.37	38.59
Max. Power Current I <sub>mpp</sub> (A)		8.57	8.65	8.73	8.81
Open Circuit Voltage V <sub>oc</sub> (V)		46.42	46.72	47.02	47.32
Short Circuit Current I <sub>sc</sub> (A)		9.25	9.31	9.37	9.43
Module Efficiency (%)		16.7%	16.9%	17.2%	17.4%

**ELECTRICAL PERFORMANCE PARAMETERS**

I <sub>sc</sub> Temperature Coefficient	α (%/°C)	+0.06	Max. Series Fuse	15A
V <sub>oc</sub> Temperature Coefficient	β (%/°C)	-0.32	Max. System Voltage	IEC 1000V
P <sub>max</sub> Temperature Coefficient	γ (%/°C)	-0.42	Nominal Operating Cell Temp. (NOCT)	45°C ± 2°C
Efficiency Reduction at 200W/m <sup>2</sup> , 25°C		<5%		

IV parameters are rated at Standard Test Conditions (Irradiance of 1000 W/m<sup>2</sup>, AM 1.5, cell temperature 25°C). All measurements are guaranteed at the laminate leads. NOCT is measured at 800 W/m<sup>2</sup>, 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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