



XS60+ SERIES PHOTOVOLTAIC MODULES

PEAK POWER: 305-315 Wp

FEATURES INCLUDE:

- 60 monocrystalline solar cells connected in series
- Positive power tolerance of 0~3% improves system performance
- Industry-leading module efficiency: maximum efficiency of 19.67%
- Tested up to 5400Pa for maximum load resistance
- Verified resistance against PID effects
- Progressive Power Warranty guarantees 80 % of rated power at 25 years
- Manufactured globally with world-class quality standards

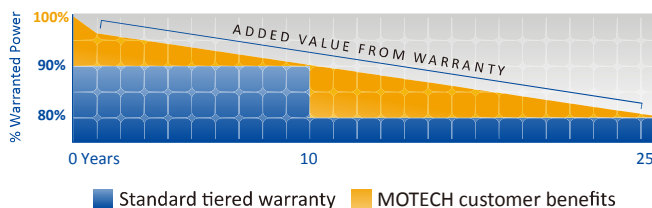


QUALITY, RELIABILITY, AND KWH YIELD

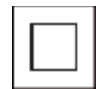
MOTTECH modules are powered by industry acknowledged high performance, reliable silicon cells. 20 years of experience in solar module engineering and design, along with rigorous durability and performance tests, ensure reliable lifetime performance and maximum kWh yield.

25-YEAR PROGRESSIVE WARRANTY*

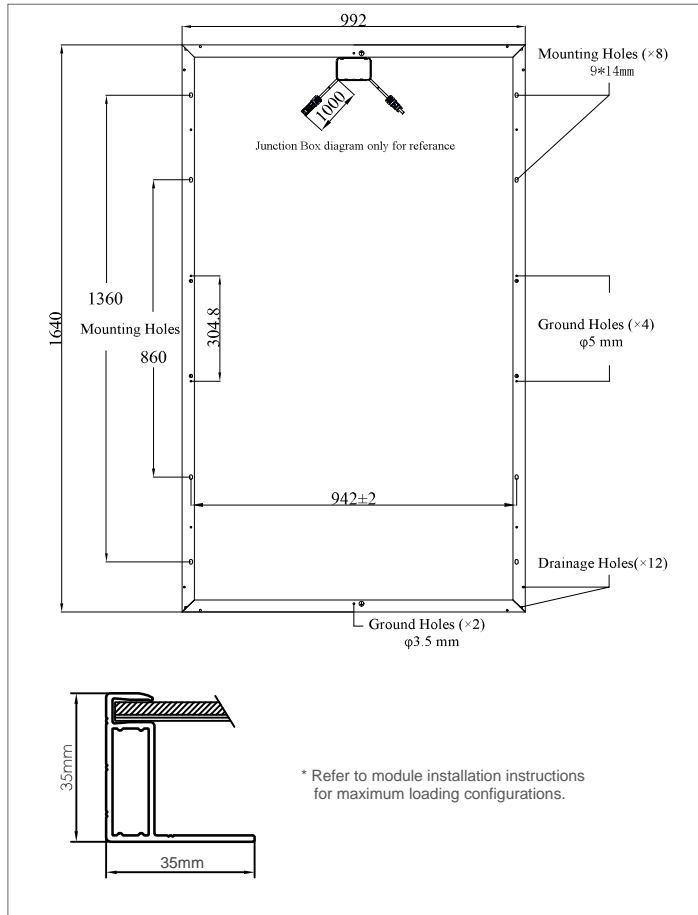
- 25-year progressive power warranty
- 10-year warranty on materials and workmanship



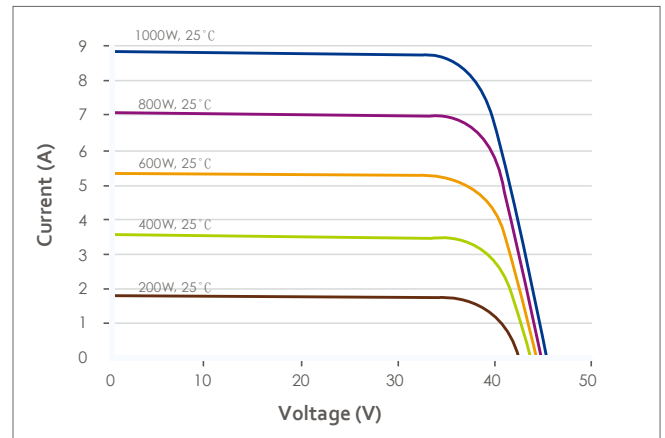
CERTIFICATIONS & STANDARDS*



Application Class A
Safety Class II

PHYSICAL CHARACTERISTICS

PHYSICAL DESIGN PROPERTIES

Dimension	1640×992×35 mm
Weight	18.5 kg±5%
Glass	3.2mm low iron tempered glass with anti-reflective coating
Junction Box	IP67 or above with 3 bypass diodes
Output Cables	Φ4.0mm ² , 1000mm
Connectors	MC4 Compatible
Packing	31 pcs/ pallet, 868 pcs/ container (40ft HQ)

IV CURVE

ELECTRICAL PERFORMANCE
XS60CB-305
XS60CB-310
XS60CB-315

Electrical Performance @ STC		XS60CB-305	XS60CB-310	XS60CB-315
Maximum Power	P _{max} [Wp]	305	310	315
Max. Power Voltage	V _{mp} (V)	32.97	33.26	33.55
Max. Power Current	I _{mp} (A)	9.25	9.32	9.39
Open Circuit Voltage	V _{oc} (V)	39.05	39.19	39.33
Short Circuit Current	I _{sc} (A)	9.50	9.53	9.56
Module Efficiency (%)		18.75%	19.05%	19.36%

ELECTRICAL PERFORMANCE PARAMETERS

I _{sc} Temperature Coefficient	α (%/°C)	+0.06	Max. Series Fuse	15A
V _{oc} Temperature Coefficient	β (%/°C)	-0.33	Max. System Voltage	IEC 1000V
P _{max} Temperature Coefficient	γ (%/°C)	-0.41	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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