



XS60CF PHOTOVOLTAIC MODULES

XS60+ SERIES HALF-CUT PV MODULES

PEAK POWER: 445-455 Wp

FEATURES INCLUDE:

- 60 monocrystalline solar cells comprised in series.
- Positive power tolerance of 0~+3% improves system performance.
- Industry-leading module efficiency: maximum efficiency of 21.04%.
- 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

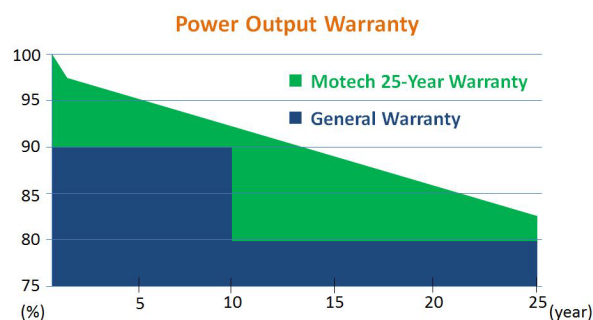
QUALITY, RELIABILITY, AND KWH YIELD

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



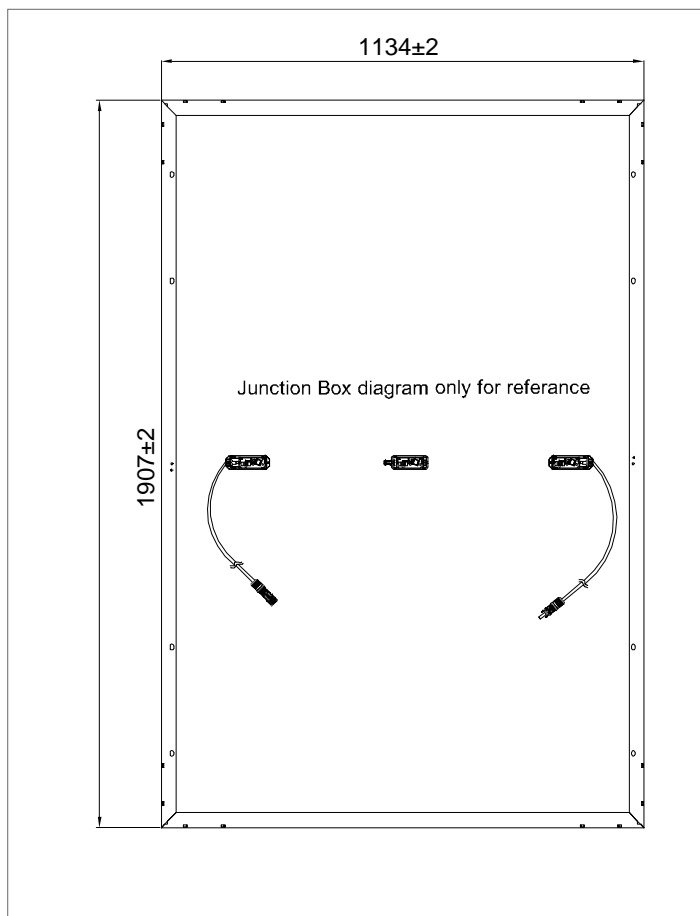
CERTIFICATIONS & STANDARDS*





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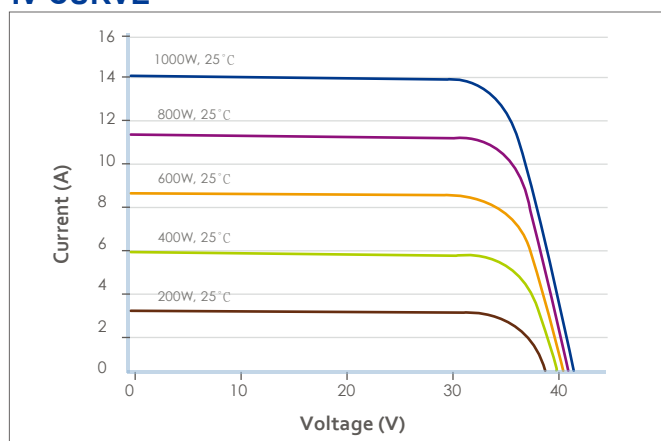
PHYSICAL CHARACTERISTICS



PHYSICAL DESIGN PROPERTIES

Dimension	1907×1134×35mm
Weight	23.5 kg±1kg
Glass	3.2 mm Tempered Coated PV Glass
Junction Box	IP68 with 3 bypass diodes
Output Cables	Φ4.0mm ² , 300mm/300mm, or customized length
Connectors	MC4 Compatible
Packing	31 pcs/pallet, 744 pcs/container(40'HQ)

IV CURVE



ELECTRICAL PERFORMANCE

XS60CF-445

XS60CF-450

XS60CF-455

Electrical Performance @ STC				
Maximum Power Pmax[Wp]		445	450	455
Max. Power Voltage	Vmpp(V)	33.82	33.91	34.06
Max. Power Current	Impp(A)	13.16	13.27	13.36
Open Circuit Voltage	Voc(V)	41.10	41.18	41.33
Short Circuit Current	Isc(A)	13.79	13.85	13.93
Module Efficiency (%)		20.58%	20.81%	21.04%

ELECTRICAL PERFORMANCE PARAMETERS

Isc Temperature Coefficient	α (%/°C)	+0.032	Maximum Series Fuse Rating	25A
Voc Temperature Coefficient	β (%/°C)	-0.257	Max. System Voltage (IEC)	1500V
Pmax Temperature Coefficient	γ (%/°C)	-0.348	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.

M31-2301-001-A



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