



XS72+ SERIES HALF-CUT PV MODULES

PEAK POWER: 395-410 Wp

FEATURES INCLUDE:

- 72 monocrystalline solar cells connected in series.
- Positive power tolerance of 0~+3% improves system performance.
- Industry-leading module efficiency: maximum efficiency of 20.38%.
- 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

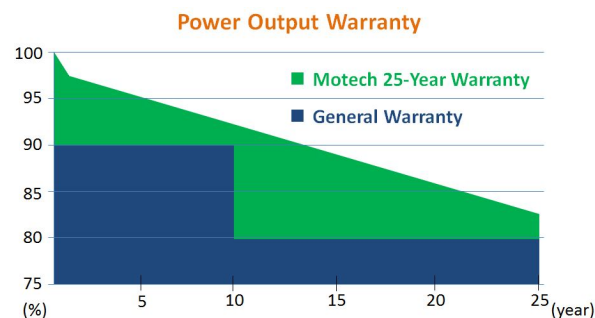
QUALITY, RELIABILITY, AND KWH YIELD

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*

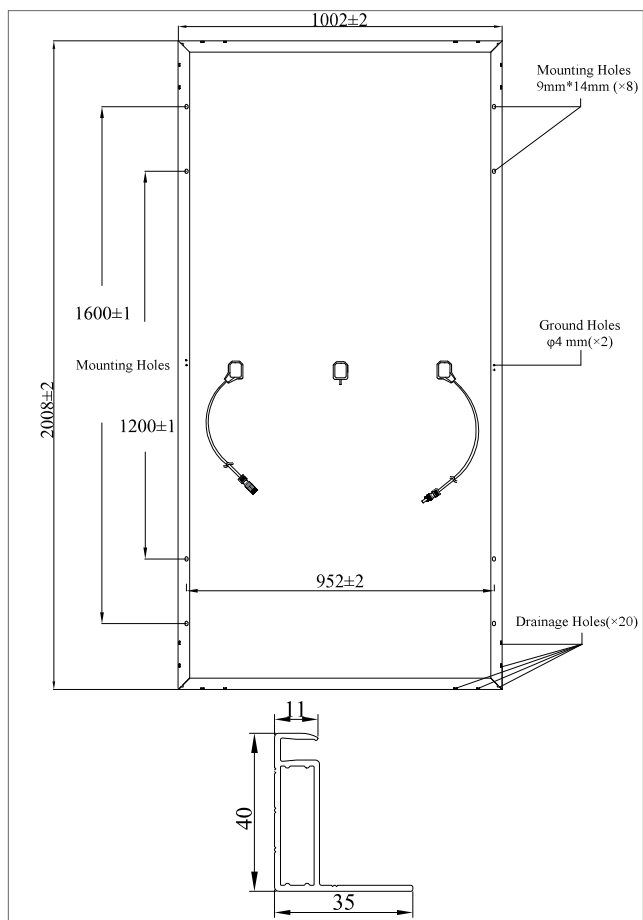
- 25-year progressive power warranty
- 12-year warranty on materials and workmanship



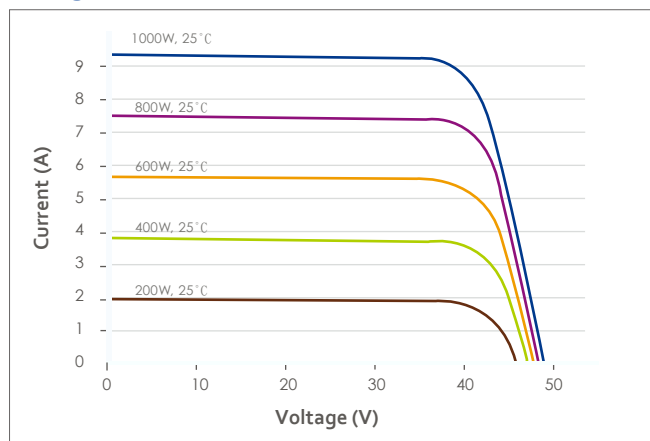
CERTIFICATIONS & STANDARDS*



Application Class A
Safety Class II

PHYSICAL CHARACTERISTICS

PHYSICAL DESIGN PROPERTIES

Dimension	2008×1002×40mm
Weight	23 kg±5%
Glass	3.2 mm Tempered Coated PV Glass
Junction Box	IP68 with 3 bypass diodes
Output Cables	Φ4.0mm ² , P(+) 300mm /N(-) 400mm
Connectors	MC4 Compatible
Packing	27 pcs/pallet, 594 pcs/container(40'HQ)

IV CURVE

ELECTRICAL PERFORMANCE

XS72CA-395

XS72CA-400

XS72CA-405

XS72CA-410

Electrical Performance @ STC					
Maximum Power P _{max} [Wp]		395	400	405	410
Max. Power Voltage V _{mpp} (V)		41.5	41.8	42.0	42.2
Max. Power Current I _{mpp} (A)		9.52	9.57	9.65	9.72
Open Circuit Voltage V _{oc} (V)		49.4	49.6	49.8	50.0
Short Circuit Current I _{sc} (A)		10.12	10.16	10.23	10.29
Module Efficiency (%)		19.63%	19.88%	20.13%	20.38%

ELECTRICAL PERFORMANCE PARAMETERS

I _{sc} Temperature Coefficient	α (%/°C)	+0.048	Maximum Series Fuse Rating	15A
V _{oc} Temperature Coefficient	β (%/°C)	-0.28	Max. System Voltage (IEC)	1500V
P _{max} Temperature Coefficient	γ (%/°C)	-0.37	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.

DOC19TW025 Rev A Sep 2019



Motech Industries, Inc. Solar Division
 Tainan Science Park I No.2, Dashun 9th Rd., Xinshi Dist., Tainan City, 74145, Taiwan
 Tel: +886-6-5050789 Fax: +886-6-5051789
 E-mail: sales_marketing@motech.com.tw modules@motech.com.tw

www.motechsolar.com