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**Solar Panel Guide
Specification Data Sheet**

Motech Industries Inc.

XS60GB 305-315

XS60GB-310

Also available on the web at
EnergyPal.com/motech-industries-inc-solar-panels/xs60gb-310



XS60GB PHOTOVOLTAIC MODULES

XS60+ SERIES DOUBLE GLASS PV MODULES

PEAK POWER: 305-315 Wp

FEATURES INCLUDE:

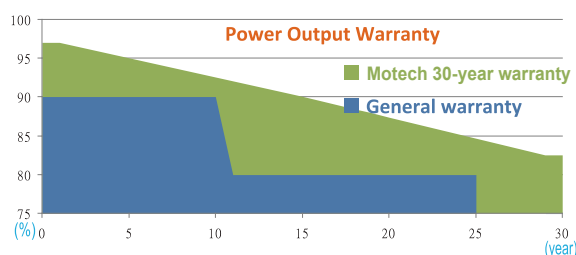
- 60 MOTECH monocrystalline solar cells comprised by double layers of glasses.
- Long-term durability and robustness in harsh environments.
- Industry-leading module efficiency:
maximum efficiency of 18.97%
- Maximum load resistance : front load 8100 Pa & rear load 5400 Pa
- Progressive Power Warranty guarantees 82.5% of rated power at 30 years
- Manufactured globally with world-class quality standards

QUALITY, RELIABILITY, AND KWH YIELD

MOTECH modules are powered by industry acknowledged high performance, reliable MOTECH 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.

30-YEAR PROGRESSIVE WARRANTY*

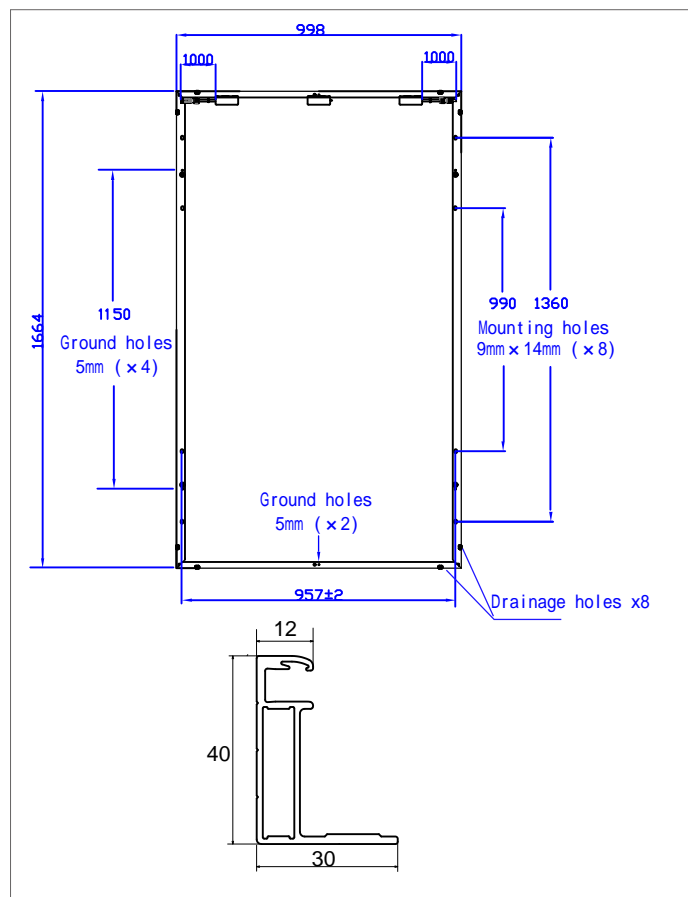
- 30-year progressive power warranty
- 10-year warranty on materials and workmanship



CERTIFICATIONS & STANDARDS*



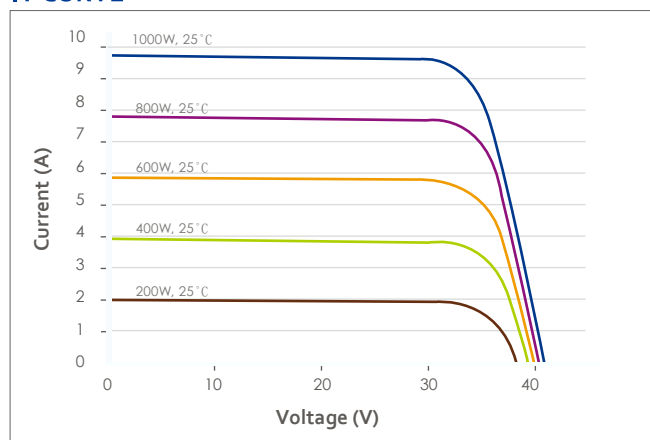
PHYSICAL CHARACTERISTICS



PHYSICAL DESIGN PROPERTIES

Dimension	1664×998×40mm
Weight	22.5kg±5%
Glass	2.5±1mm Tempered Coated PV Glass
Junction Box	IP68 or above with 3 bypass diodes
Output Cables	Φ4.0mm ²
Connectors	MC4 Compatible
Packing	26 pcs/ pallet, 728 pcs/ container(40' HQ)

IV CURVE



ELECTRICAL PERFORMANCE

XS60GB-305

XS60GB-310

XS60GB-315

Electrical Performance @ STC				
Maximum Power P _{max} [Wp]		305	310	315
Max. Power Voltage	V _{mpp} (V)	32.97	33.26	33.55
Max. Power Current	I _{mpp} (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)	9.5	9.53	9.56
Module Efficiency (%)		18.37%	18.67%	18.97%

Values without tolerance are typical numbers.

ELECTRICAL PERFORMANCE PARAMETERS

Isc Temperature Coefficient	α (%/°C)	+0.06	Max. Series Fuse	20A
Voc Temperature Coefficient	β (%/°C)	-0.33	Max. System Voltage	IEC 1500V
Pmax Temperature Coefficient	γ (%/°C)	-0.44	Nominal Operating Cell Temp. (NOCT)	46°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. Specifications are subject to change without notice. Motech reserves the rights of final interpretation and revision on this datasheet.

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