



IM 60 SERIES PHOTOVOLTAIC MODULES

PEAK POWER: 255-270 Wp

FEATURES INCLUDE:

- 60 MOTTECH multicrystalline solar cells connected in series
- Positive power tolerance of 0~3% improves system performance
- Industry-leading module efficiency: maximum efficiency of 16.5%
- 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

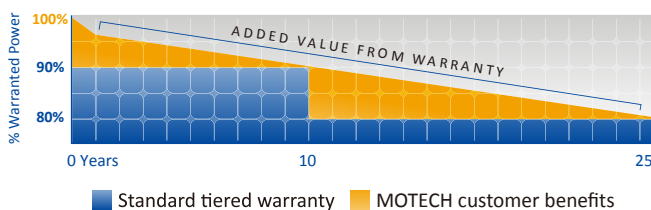
QUALITY, RELIABILITY, AND KWH YIELD

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



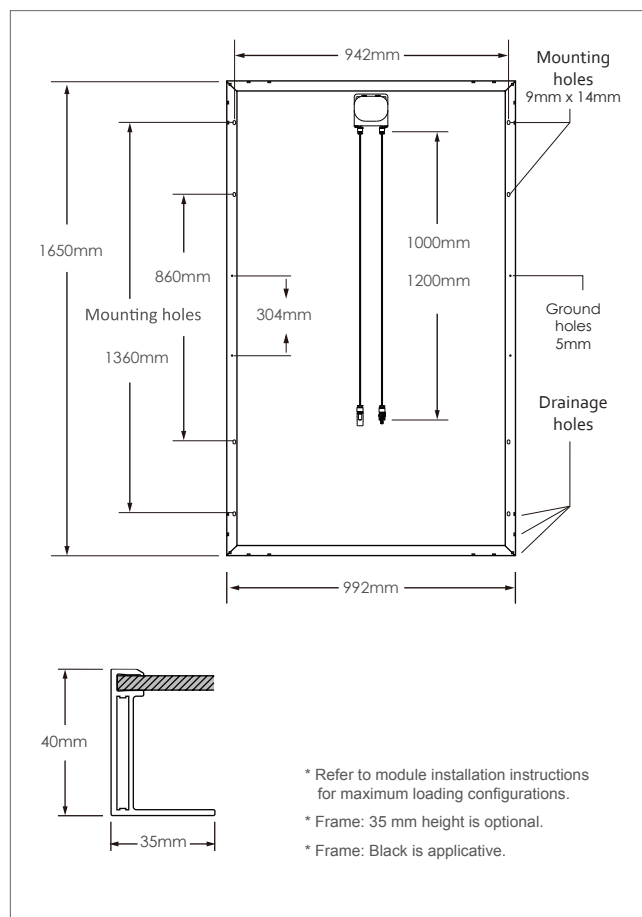
CERTIFICATIONS & STANDARDS*



Application Class A
Safety Class II

* Please refer to our website at www.mottechsolar.com for certification and warranty details

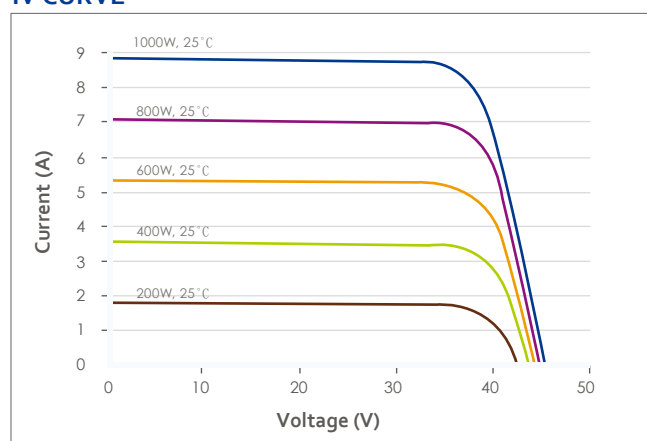
PHYSICAL CHARACTERISTICS



PHYSICAL DESIGN PROPERTIES

Dimension	1650×992×40 mm
Weight	19.3 kg±5%
Glass	3.2mm low iron tempered glass with anti-reflective coating
Junction Box	IP67 with 3 bypass diodes
Output Cables	Φ4.0mm ² , 1000mm
Connectors	MC4 Compatible
Packing	26pcs/ pallet, 728pcs/ container (HQ)

IV CURVE



ELECTRICAL PERFORMANCE

	IM60C4-255	IM60C4-260	IM60C4-265	IM60C4-270
Electrical Performance @ STC				
Maximum Power Pmax[Wp]	255	260	265	270
Max. Power Voltage Vmpp(V)	30.14	30.66	31.18	31.69
Max. Power Current Impp(A)	8.46	8.48	8.50	8.52
Open Circuit Voltage Voc(V)	37.23	37.63	38.03	38.43
Short Circuit Current Isc(A)	9.00	9.03	9.06	9.09
Module Efficiency (%)	15.6%	15.9%	16.2%	16.5%

ELECTRICAL PERFORMANCE PARAMETERS

Isc Temperature Coefficient	α (%/°C)	+0.06	Max. Series Fuse	15A
Voc Temperature Coefficient	β (%/°C)	-0.32	Max. System Voltage	IEC 1000V
Pmax Temperature Coefficient	γ (%/°C)	-0.42	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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