



Microsys International (S) Pte Limited

MS Series PV Module

Key Features:

- High Efficiency CIGS thin film modules
- Power tolerance of 0/+5W
- Convenient corner junction box design reduces wiring cost and installation time
- Tempered front and back glass is robust under high snow and wind load conditions
- Fire Class A classification
- Frameless laminate does not require module grounding
- Bypass diodes reduce PV system shading losses

Reliability and Safety:

- Certified to IEC 61646 & IEC 61730 (Application Class A)
- Certified to UL 1703 (Fire Class A)

Warranty: (please see warranty for detail)

- 5-yr limited product
- 5/10/25 year power output

Electrical Performance*		MS120 GG	MS125 GG	MS130 GG	MS135 GG	MS140GG
Mean Peak Power - P_{MPP}	[W]	120	125	130	135	140
Power Output Tolerance - P_{MPP}	[W]	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage - V_{MPP}	[V]	19.0	19.5	20.1	20.5	21.0
Maximum Power Current - I_{MPP}	[A]	6.29	6.41	6.48	6.58	6.67

Registered Office: 58, Mariam Way, Singapore 508577
Business Address – 30 Loyang Way, # 04-13 Loyang Industrial Estate, Singapore 508769
Tel - +65-65465756; Mob +65 90896632,83635550



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Open Circuit Voltage - V_{OC}	[V]	24.9	25.2	25.4	25.6	25.8
Short Circuit Current - I_{SC}	[A]	7.35	7.35	7.35	7.35	7.35
Maximum Series Fuse Rating		25 A				
Maximum System Voltage (US/IEC)		600V / 1000V				

*At standard Test Conditions: 1000 W/m², 25°C cell temperature, AM 1.5 spectrum.

Thermal Characteristics	
Nominal Operating Cell Temperature (NOCT)	49°C
Temperature Coefficient of P_{MPP}	- 0.45%/°C
Maximum Power Voltage - V_{MPP}	- 0.36%/°C

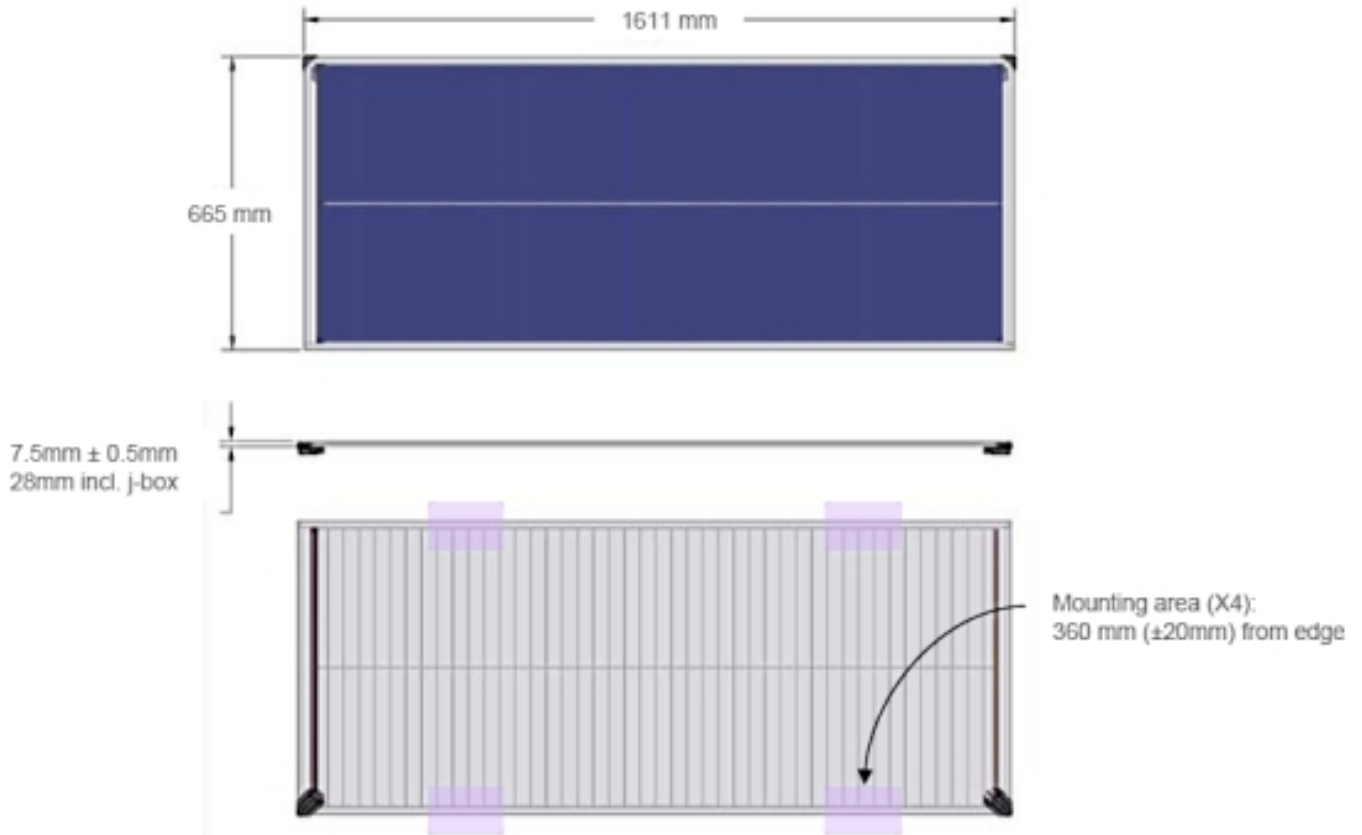
Physical and Mechanical Specifications	
Length	1611 mm
Width	665 mm
Depth	7.5mm (28 mm including junction box)
Weight	18 kg
Junction Box /Output Terminal Type	2 corner connection boxesMC4 Locking Connector
Frame	None

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Cell Type	Copper Indium Gallium Diselenide (CIGS)
Static Load	5400 N/m ²
Warranty Term**	5/10/25 year power output, 5 year workmanship
Certifications	UL1703, IEC 61646, IEC 61730



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