



SILICON LEAF

Renewable Energy - An ISO 9001 : 2015 Certified Company



Solar Module M5-72



High Efficiency Solar Modules suitable for On Grid & Off Grid applications

Strengths

- Positive power tolerance (-0 Wp / + 4.99 Wp)
- High Efficiency Multi Crystalline Cell
- Certified for performance as per IEC 61215 : 2005 by TUV Germany
- Certified for safety as per IEC 61730-2 by TUV Germany
- Certified for Mechanical Loads up to 5400 Pascal that withstand heavy accumulation of snow and ice

Product Guarantee : 5 years

Limited Power Warranty : 90% of 12 Years
80% of 25 Years

Typical Electrical Characteristics

Type	M5-72			
Max-Power	Pmp (W)	150	160	165
Power Tolerance	(W)	-0 / + 4.99		
Max-Power Voltage	Vmp(V)	34.85	34.92	35.00
Max-Power Current	Imp (A)	4.30	4.58	4.71
Open Circuit Voltage	Voc (V)	43.20	44.06	44.35
Short Circuit Current	Isc (A)	4.81	5.02	5.11
Max-System Voltage (Europe / USA)	VDC	1000 / 600		
Number, type and arrangement of cells	72, Multi-Crystalline, 6 x 12 Matrix			
Cell Size	5" x 5" / 125 x 125 mm			
No. of By-pass Diodes	4			
Max. Series Fuse	(A)	12		
Pm Temperature Co-efficient	(%/K)	-0.40		
Isc Temperature Co-efficient	(mA/K)	4.70		
Voc Temperature Co-efficient	(mV/K)	-2.0		
NOCT – Nominal Operating Cell Temp	(°C)	45		

Mechanical Characteristics

Cable Type	Tyco / Lapp Kable		
Type of connector	Tyco / MC4		
Dimension	mm	804 x 1614 x 42	
Weight	Kgs	16	
No. of Draining Holes in Frame	8		
Glass Type and Thickness	3.2 mm Thick, Low iron, Tempered		

Packing Configuration

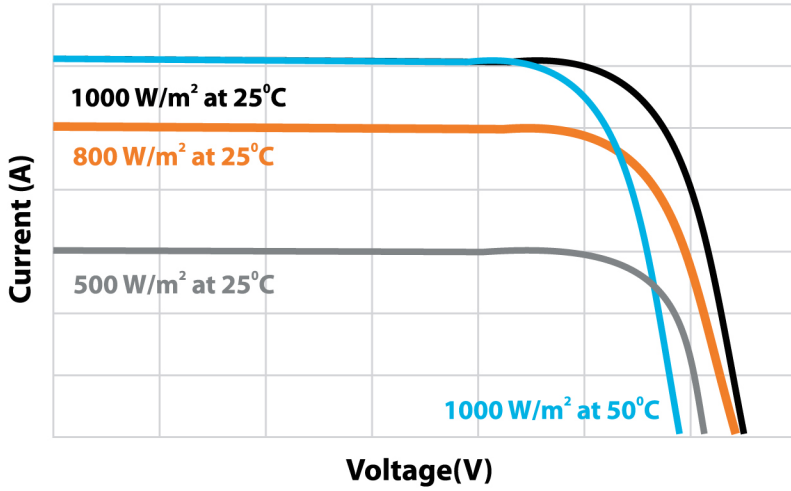
Packing Configuration	23 Modules in each pallet		
1 * 20'	138 Modules		
1 * 40Ft STD	598 Modules		

Absolute Ratings

Operating Temperature	(°C)	-40 ~ +85	
Storage Temperature	(°C)	-40 ~ +85	

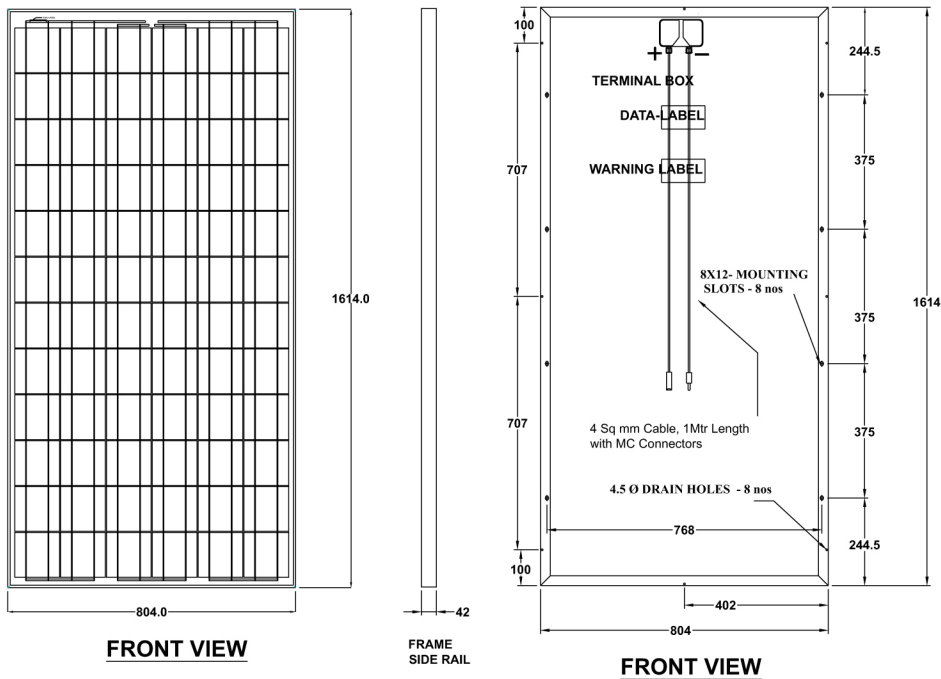
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I-V Curves



Current/voltage dependence on irradiance and module temperature.
This is only indicative showing effect of temperature and intensity on power

Dimensions



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