



PV Module M6-72



High Efficiency PV Modules

Strengths

- Positive power tolerance
- High Efficiency Multi Crystalline Modules
- TUV Certifications:
 - EN IEC 61215 : 2005
 - EN IEC 61730-1 : 2004 / 2007
 - EN IEC 61730-2 : 2004 / 2007
 - EN IEC 61701 : 2010-02
- Withstands heavy loading due to snow & ice; Has higher safety margin for storm weather and gale winds
- Qualified for Highly corrosive Wet-Atmospheres & Environments

Product Guarantee : 5 years

Limited Power Warranty : 90% @ 12 Years

80% @ 25 Years

Typical Electrical Characteristics

Type	M6-72									
Max Power	Pmp (W)	265	270	275	280	285	290	295	300	305
Power Tolerance	(W)	+0 to 4.9Wp or $\pm 2.5\%$								
Max Power Voltage	Vmp(V)	34.33	34.75	35.04	35.18	35.63	36.12	36.51	36.72	36.97
Max Power Current	Imp (A)	7.72	7.77	7.85	7.96	8.00	8.03	8.08	8.17	8.25
Open Circuit Voltage	Voc (V)	43.27	43.70	43.99	44.28	44.42	44.78	45.00	45.50	45.58
Short Circuit Current	Isc (A)	8.30	8.34	8.39	8.46	8.49	8.53	8.56	8.65	8.68
Electrical parameters tolerance		$\pm 5\%$								
Max System Voltage	VDC	1000								
Number, type and arrangement of cells		72, Multi-Crystalline, 12 x 6 Matrix								
Cell Size		6" x 6" / 156 x 156 mm								
No. of By-pass Diodes		3								
Max Series Fuse	(A)	15								
Pm Temperature Co-efficient (γ)	(%/°C)	-0.41								
Isc Temperature Co-efficient (α)	(%/°C)	+0.04								
Voc Temperature Co-efficient (β)	(%/°C)	-0.32								
NOCT at STC	(°C)	45 \pm 1								

Mechanical Characteristics

Junction Box	Tyco / ZJRH / Huber + Suhner	
Type of connector	Tyco / MC4	
Dimensions (L x W x Th)	mm	1975 x 988 x 50
Weight	Kg	27.0
No. of Drain Holes in Frame	12	
Glass Type and Thickness	4 mm Thick, Low iron, Tempered	

Packing Configuration

Packing Configuration	20 Modules in each pallet
1 * 20 Ft	200 Modules
1 * 40 Ft STD/HQ	400 modules

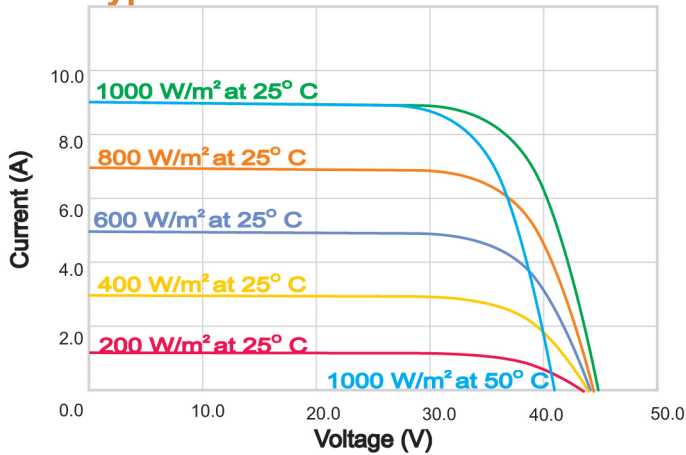
Absolute Ratings

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

NOTE: The data presented may change due to further improvements in the product.

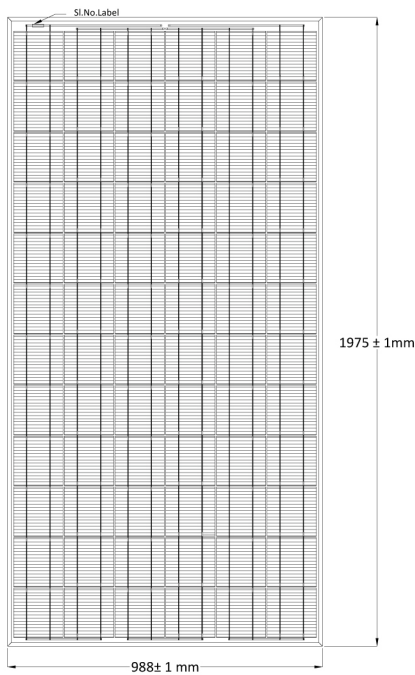
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Typical I-V Curves

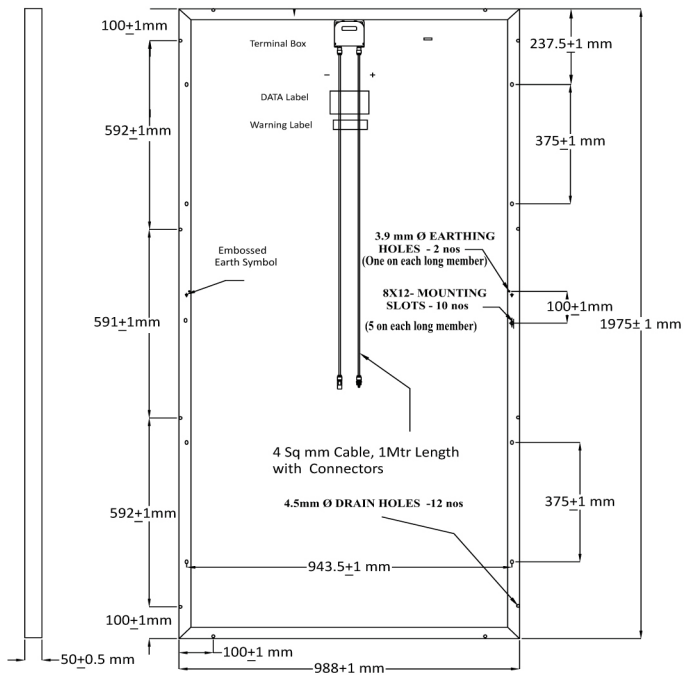


Current/voltage dependence on irradiance and module temperature.
These I-V curves indicate the effect of temperature and light intensity on module Performance.

Dimensions



FRONT VIEW



FRAME SIDE RAIL

REAR VIEW

PV Module Products

- M6-72 Family Series (305Wp to 125Wp) : M6-72, M6-60, M6-54 & M6-36 - Certified for IEC Standards
M6-60: Certified for UL (USA & Canada) Standard; M6-72: Certification for UL (USA & Canada) is in Progress
- S6-60 Family Series (250Wp to 120Wp) : S6-60, S6-54 & S6-36 - Certified for IEC Standards
S6-60 - Certified for UL (USA & Canada) Standard
- S6-72 Family Series (300Wp to 285Wp) : Certification for IEC & UL (USA & Canada) Standards
- S5-96 Family Series (250Wp to 75Wp) : S5-96, S5-72, S5-60, S5-54 & S5-36 - Certified for IEC Standards



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