



PV Module S6-36



High Efficiency PV Modules

Strengths

- Positive power tolerance
- High Efficiency Mono Crystalline Modules
- TUV Certifications:
 - EN IEC 61215 : 2005
 - EN IEC 61730-1 : 2004 / 2007
 - EN IEC 61730-2 : 2004 / 2007
- Withstands heavy loading due to snow & ice; Has higher safety margin for storm weather and gale winds

Product Guarantee : 5 years

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

Typical Electrical Characteristics

Type		S6-36							
Max Power	Pmp (W)	120	125	130	135	140	145	150	
Power Tolerance	(W)	+0 to 4.9Wp or $\pm 2.5\%$							
Max Power Voltage	Vmp(V)	16.33	16.66	16.95	17.20	17.50	17.91	18.29	
Max Power Current	Imp (A)	7.35	7.51	7.67	7.85	8.01	8.11	8.21	
Open Circuit Voltage	Voc (V)	20.86	21.02	21.19	21.56	21.96	22.41	22.46	
Short Circuit Current	Isc (A)	7.90	8.01	8.21	8.40	8.60	8.69	8.79	
Electrical parameters tolerance		$\pm 5\%$							
Max System Voltage	VDC	1000							
Number, type and arrangement of cells		36, Mono-Crystalline, 9 x 4 Matrix							
Cell Size		6" x 6" / 156 x 156 mm							
No. of By-pass Diodes		2							
Max Series Fuse	(A)	15							
Pm Temperature Co-efficient	(γ) (%/°C)	-0.46							
Isc Temperature Co-efficient	(α) (%/°C)	+0.03							
Voc Temperature Co-efficient	(β) (%/°C)	-0.36							
NOCT at STC	(°C)	45 \pm 1							

Mechanical Characteristics

Junction Box	ZJRH	
Type of connector	MC4	
Dimensions (L x W x Th)	mm	1479 x 659 x 42
Weight	Kg	11.2
No. of Drain Holes in Frame	8	
Glass Type and Thickness	3.2 mm Thick, Low iron, Tempered	

Packing Configuration

Packing Configuration	24 Modules in each pallet
1 * 20 Ft	336 Modules
1 * 40 Ft STD/HQ	672 Modules

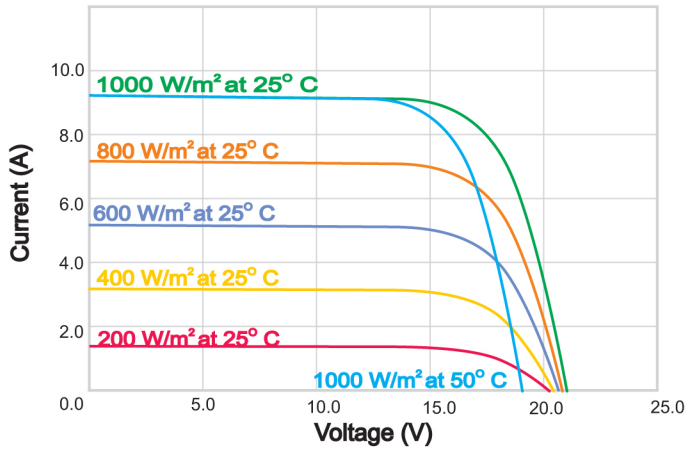
Absolute Ratings

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

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

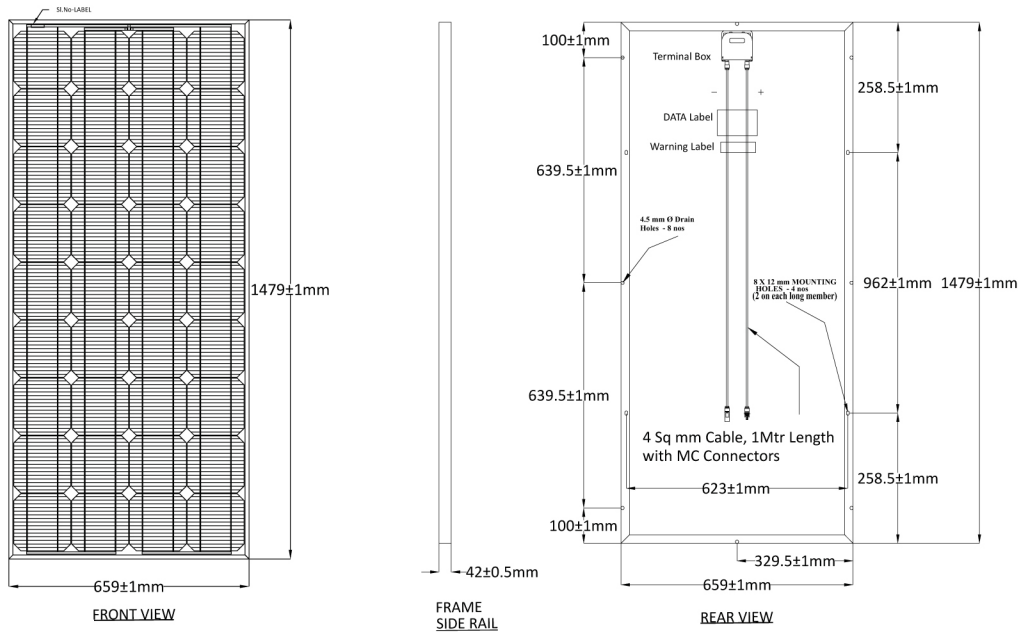
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Typical I-V Curves



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

Dimensions



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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