



SILICON LEAF

Renewable Energy - An ISO 9001 : 2015 Certified Company



PV Module S6-54



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	S6-54			
Max Power	Pmp (W)	215	220	225
Power Tolerance	(W)	+0 to 4.9Wp or $\pm 2.5\%$		
Max Power Voltage	Vmp(V)	26.67	27.16	27.40
Max Power Current	Imp (A)	8.07	8.11	8.22
Open Circuit Voltage	Voc (V)	33.48	33.61	33.69
Short Circuit Current	Isc (A)	8.64	8.69	8.79
Electrical parameters tolerance		$\pm 5\%$		
Max System Voltage	VDC	1000		
Number, type and arrangement of cells		54, Mono-Crystalline, 9 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)	-0.46		
Isc Temperature Co-efficient (α)	(%/°C)	+0.035		
Voc Temperature Co-efficient (β)	(%/°C)	-0.365		
NOCT at STC	(°C)	45 \pm 1		

Mechanical Characteristics

Junction Box		Tyco / ZJRH
Type of connector		Tyco / MC4
Dimensions (L x W x Th)	mm	1479 x 976 x 42
Weight	Kg	16.7
No. of Drain Holes in Frame		12
Glass Type and Thickness		3.2 mm Thick, Low iron, Tempered

Packing Configuration

Packing Configuration	23 Modules in each pallet
1 * 20 Ft	138 Modules
1 * 40 Ft STD	299 Modules
1 * 40 Ft HQ	598 Modules

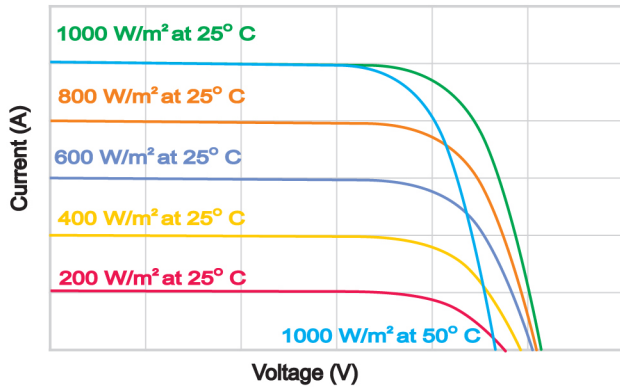
Absolute Ratings

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

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

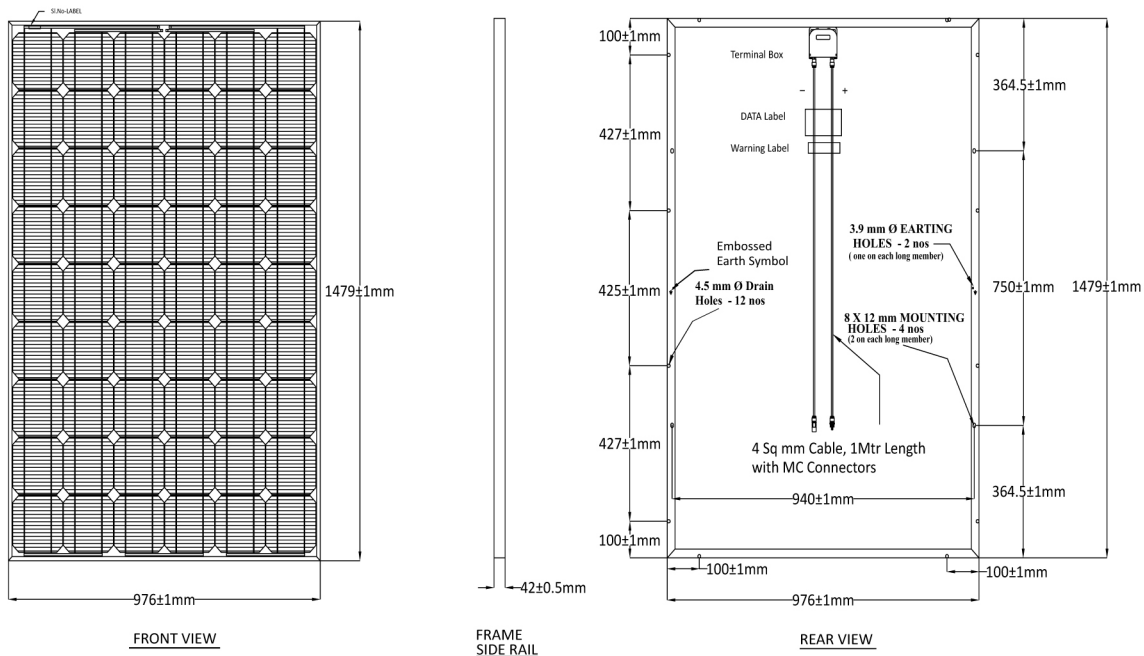
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I-V Curves



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 (285Wp to 130Wp) : 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 140Wp) : S6-60, S6-54 & S6-36 - Certified for IEC Standards
S6-60 - Certified for UL (USA & Canada) Standard
- S6-72 (290Wp to 300Wp) : Certification for IEC & UL (USA & Canada) Standards is in progress
- S5-96 Family Series (245Wp to 90Wp) : S5-96, S5-72, S5-60, S5-54 & S5-36 - Certified for IEC Standards



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