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# EnergyPal

## **Solar Panel Guide Specification Data Sheet**

### **Silicon Leaf Solar**

**M6-60**

**M6-60-235**

Also available on the web at  
[EnergyPal.com/silicon-leaf-solar-solar-panels/m6-60-235](http://EnergyPal.com/silicon-leaf-solar-solar-panels/m6-60-235)



## PV Module M6-60



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
- Qualified for Highly corrosive Wet-Atmospheres & Environments

**Product Guarantee :** 5 years

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

### Typical Electrical Characteristics

		M6-60							
Type		M6-60							
MaxPower@STC	Pmp (W)	220	225	230	235	240	245	250	
Power Tolerance	(W)	+0 to 4.9Wp or $\pm 2.5\%$							
Max Power Voltage	Vmp(V)	28.80	29.19	29.61	30.02	30.23	30.40	30.72	
Max Power Current	Imp (A)	7.64	7.71	7.77	7.83	7.94	8.06	8.14	
Open Circuit Voltage	Voc (V)	36.42	36.78	37.08	37.32	37.56	37.68	37.80	
Short Circuit Current	Isc (A)	8.07	8.15	8.25	8.34	8.44	8.56	8.63	
Electrical parameters tolerance		$\pm 5\%$							
Max System Voltage	VDC	1000							
Number, type and arrangement of cells		60, Multi-Crystalline, 10 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 ( $\gamma$ )	(%/°C)	-0.43							
Isc Temperature Co-efficient ( $\alpha$ )	(%/°C)	+0.04							
Voc Temperature Co-efficient ( $\beta$ )	(%/°C)	-0.32							
NOCT at STC	(°C)	45 $\pm$ 1							

### Mechanical Characteristics

Junction Box		ZJRH / BizLink SunBolts / H+S	
Type of connector		MC4 / BizLink SunBolts/ H+S	
Dimensions (L x W x Th)	mm	1657 x 987 x 42	
Weight	Kg	19.0	
No. of Drain Holes in Frame		12	
Glass Type and Thickness		3.2 mm Thick, Low iron, Tempered	

### Packing Configuration

Packing Configuration	24 Modules in each pallet
1 * 20 Ft	144 Modules
1 * 40 Ft STD	336 Modules
1 * 40 Ft HQ	672 Modules

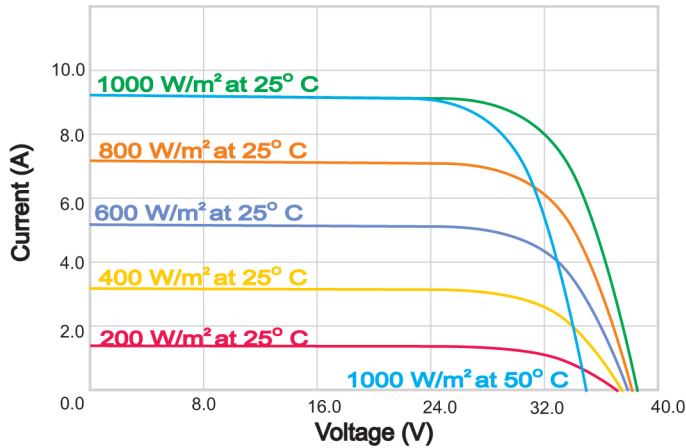
### Absolute Ratings

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

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

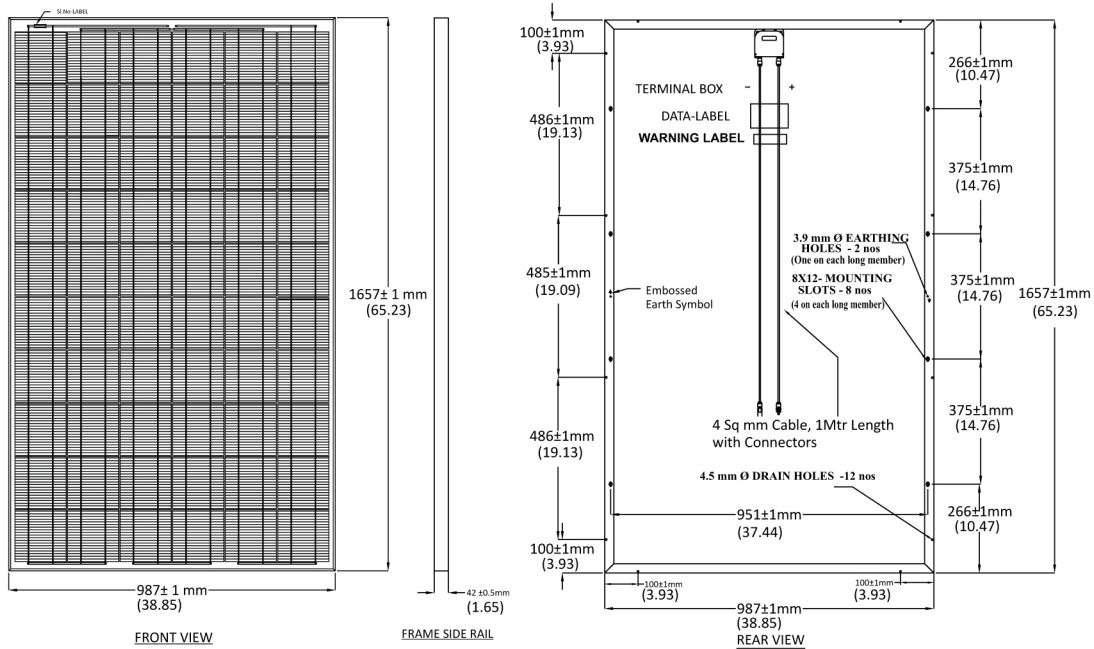
# PV Module M6-60

## 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



Dimensions given in Parentheses are in inches

## 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



# SILICON LEAF

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