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Solar Panel Guide Specification Data Sheet

Silicon Leaf Solar

S5-36

S5-36-85

Also available on the web at
EnergyPal.com/silicon-leaf-solar-solar-panels/s5-36-85

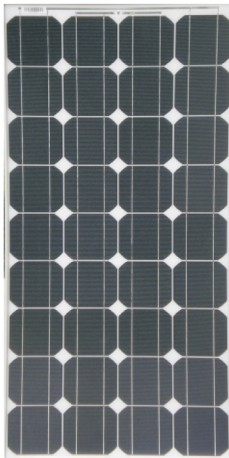


SILICON LEAF

Renewable Energy - An ISO 9001 : 2015 Certified Company



Solar Module S5-36



High Efficiency Solar Modules suitable for Off-Grid applications

Strengths

- Positive power tolerance (-0 Wp / + 4.99 Wp)
- High Efficiency Mono 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	S5-36			
Max-Power	Pmp (W)	80	85	90
Power Tolerance	(W)	-0 / + 4.99		
Max-Power Voltage	Vmp(V)	18.00	18.30	18.52
Max-Power Current	Imp (A)	4.50	4.70	4.91
Open Circuit Voltage	Voc (V)	22.14	22.43	22.61
Short Circuit Current	Isc (A)	5.02	5.20	5.34
Max-System Voltage	VDC	600		
Number, type and arrangement of cells	36, Mono-Crystalline, 4 x 9 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	(%/C)	-0.41		
Isc Temperature Co-efficient	(%/C)	0.07		
Voc Temperature Co-efficient	(%/C)	-0.313		
NOCT – Nominal Operating Cell Temp	(°C)	45		

Mechanical Characteristics

Cable Type	Tyco / Lapp Kable		
Type of connector	Tyco / MC4		
Dimension	mm	530 x 1205 x 34.5	
Weight	Kgs	8	
No. of Draining Holes in Frame	8		
Glass Type and Thickness	3.2 mm Thick, Low iron, Tempered		

Packing Configuration

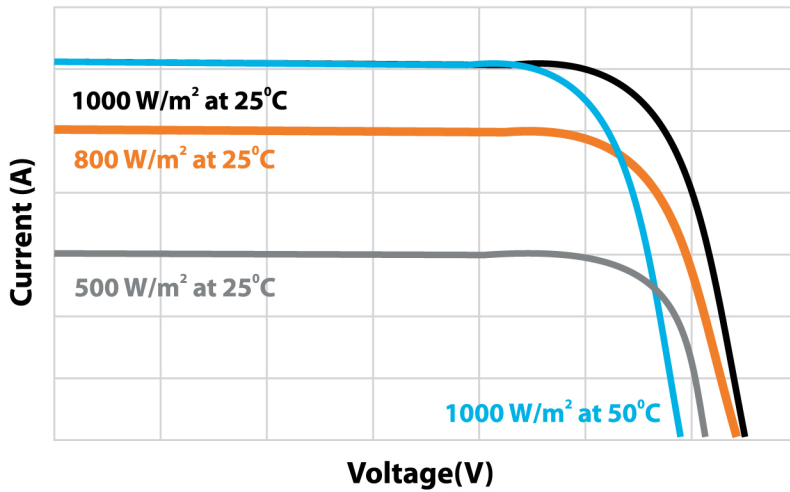
Packing Configuration	40 / 20 Modules in each pallet		
1 * 20'	510 Modules		
1 * 40Ft STD	1020 Modules		

Absolute Ratings

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

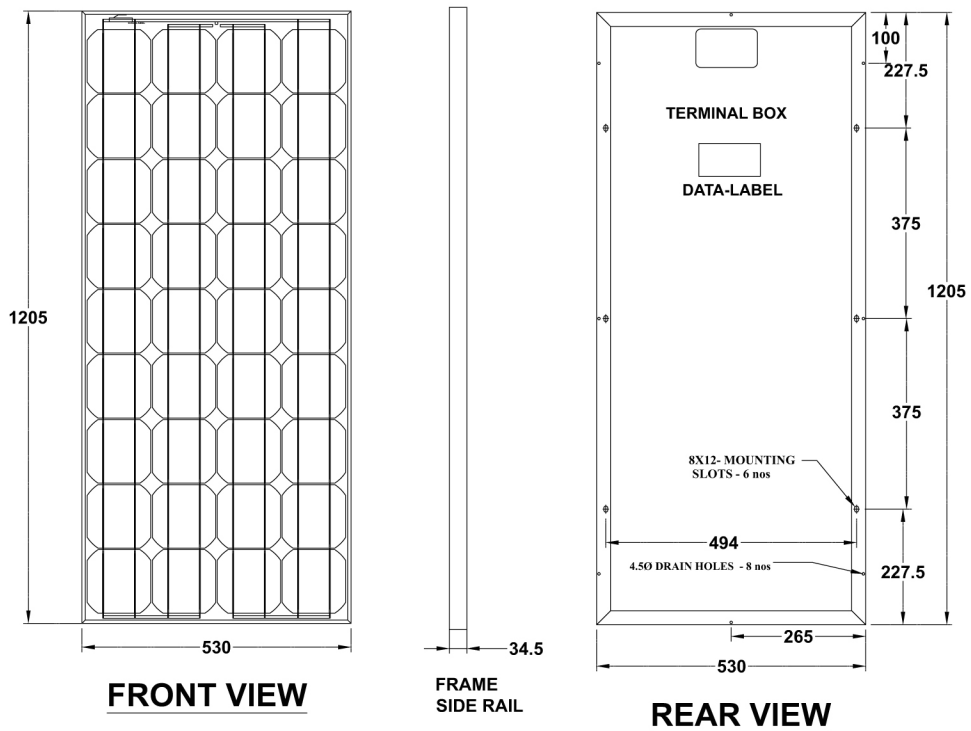
Solar Module S5-36

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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