

KOHIMA ENERGY PVT LTD

Company Over view and Product Data sheet

2011



Kohima Energy Pvt Ltd
6-3-1109/G/1, Ground Floor, Nava Bharat
Chambers, Raj Bhavan Road, Somajiguda,
Hyderabad - 500 082

**kohima**

KOHIMA ENERGY PRIVATE LIMITED

The Modules are planned to be produced to meet IEC standards. The UL and TUV certification process is in on. The unit is producing 36 cell configuration modules with normal contacts. Each module is expected to produce to power output from 135 to 150 watt (peak), using cells of 156mm x 156mm size and 180 \pm 20 μ m thickness.

MODEL: KE-36-M150



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Plot 1, Block I, Phase 2, VSEZ, Duvvada
Vishakhapatnam, Andhra Pradesh-530049
Phone: 0891 6537333

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STRENGTHS:

1. Positive Power Tolerance (-0 Wp/+4.99Wp)
2. High Efficiency Multi Crystalline Cells
3. Suitable for grid and off-grid applications
4. Robust, corrosion resistant aluminum frames independently tested to withstand wind loads of up to 2.4Kpa and snow loads of up to 5.4Kpa ensuring a stable mechanical life for your modules.
5. Module packaging optimized to protect product during transportation.

Guarantee on power output:

1. 25 years overall guarantee
2. 10 years guarantee for 90% power output
3. 15 years guarantee for 80% power output

SPECIFICATIONS

STC-Irradiance of 1000 W/sq. m at 25°C	UNITS	KE-36-M145	KE-36-M150
Maximum Power (Pmax)	Wp	145	150
Maximum Power Voltage(Vmp)	V	18.31	18.63
Maximum Power Current(Imp)	A	7.92	8.05
Open circuit Voltage(Voc)	V	22.49	22.87
Short Circuit Current(Isc)	A	8.56	8.63
Fill Factor	%	75.3	76.0
Module Efficiency(ⁿ)	%	14.48	14.98

NOCT-Irradiance of 800 W/sq. m at 45°C	UNITS	KE-36-M145	KE-36-M150
Maximum Power (Pmax)	Wp	105.56	109.2

THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT	°C	45 ± 2
Temperature Coefficient of Isc	α	%/°C	0.04
Temperature Coefficient of Voc	β	%/°C	-0.32
Temperature Coefficient of Pmax	r	%/°C	-0.45
System integration parameters			
Maximum system voltage (IEC)	1,000 VDC		
Maximum system voltage (UL)	600 VDC		

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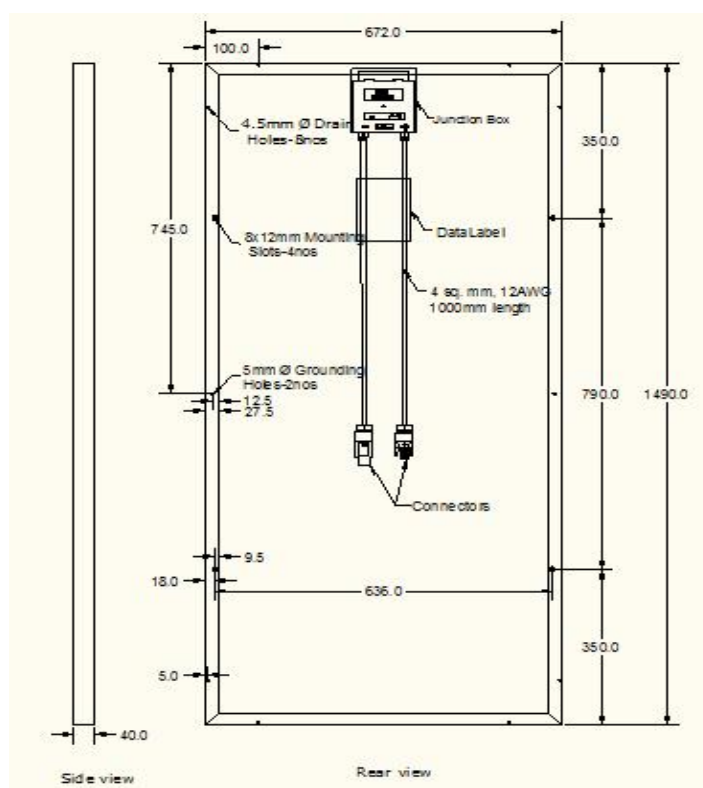
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Maximum series fuse rating	15 A
Maximum reverse current	Do not apply external voltages larger than Voc to the module
Fire Safety Classification	Class C
Certifications	IEC 61215, IEC 61730 -I & II, UL1703

Physical characteristics	
Cells per module	36
Cell type	Multi - crystalline silicon
Module dimensions	1490 x 672 x 40mm
Module weight	11.5kg
Junction box	IP65
Frame	Silver Anodized Aluminum
Front Glass	3.2mm Tempered glass

Details of PV Module

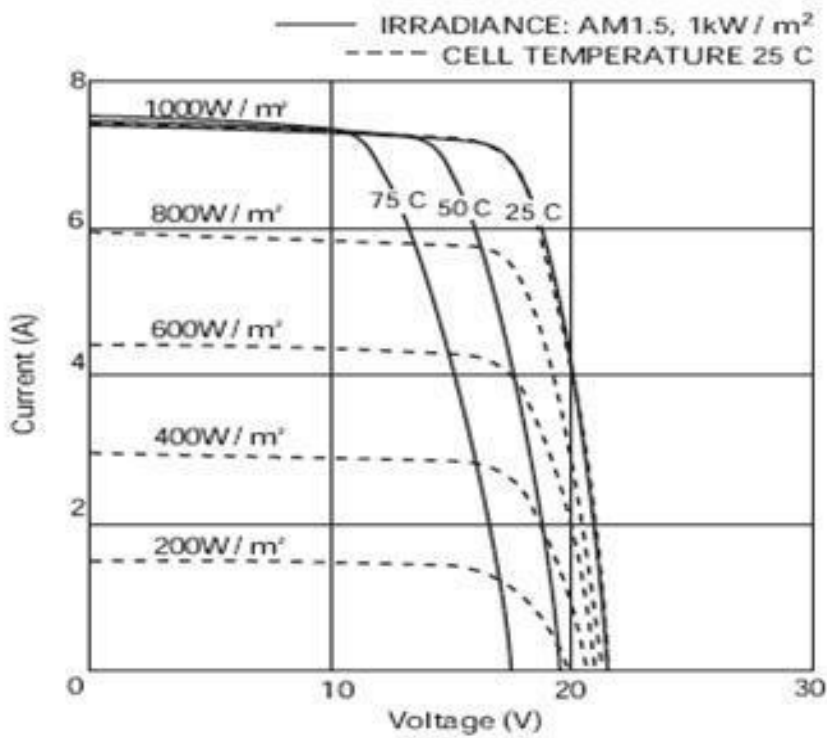
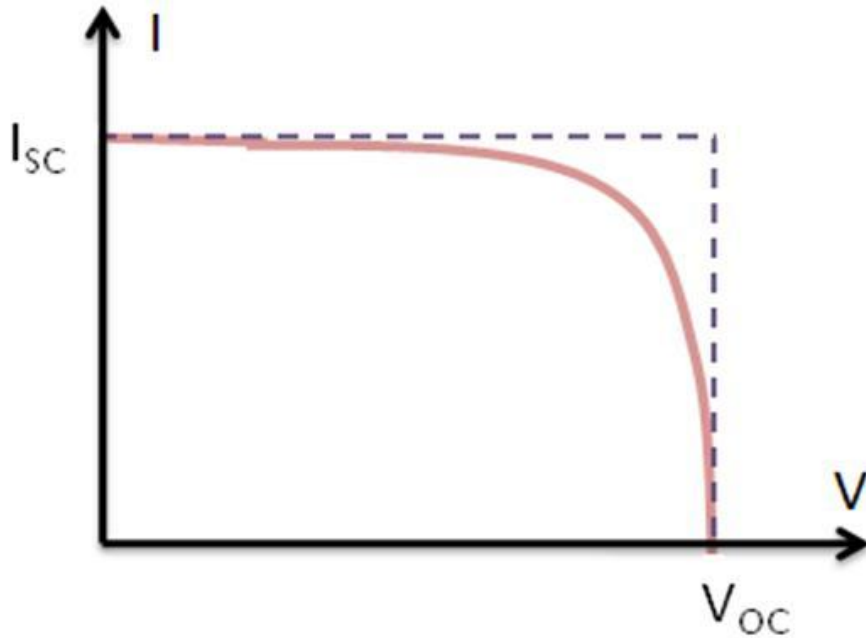


Module IV – Curve

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