



GER Solar

GER-54M(M156)

GER-230M-54

GER-235M-54

GER-240M-54

GER-245M-54

GER-250M-54

Features and benefits

- ◆ Standard output
- ◆ High efficiency
- ◆ Outstanding low-light performance
- ◆ High transparent low-iron, tempered glass
- ◆ Esthetic appearance, with stands high wind-pressure and snow load

10 years product warranty

25 years power output warranty

10 years for 90% of warranted minimum power output

25 years for 80% of warranted minimum power output

High Efficiency, High Quality

PV Module (6×9 cells)



Electrical Characteristics

Model	GER-230M-54	GER-235M-54	GER-240M-54	GER-245M-54	GER-250M-54
Open-circuit voltage (Voc)	33.80V	34.1V	34.6V	34.9V	35.3V
Optimum operating voltage (Vmp)	27.6V	27.9V	28.3V	28.5V	28.7V
Short-circuit current (Isc)	8.85A	8.95A	9.01A	9.14A	9.23A
Optimum operating current (Imp)	8.32A	8.40A	8.48A	8.58A	8.71A
Maximum power at STC (Pmax)	230Wp	235Wp	240Wp	245Wp	250Wp
Operating temperature	-40°C to +85°C				
Maximum system voltage	VDC 1000V				
	*STC: Irradiance 1000W/m ² , Module temperature 25°C, AM=1.5				

Ger Solar GmbH

Kirchmattinger Straße 25, D-94330 Aiterhofen, Germany

Email: info@germania-energy.com

www.germania-energy.com.com



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Specifications

Cell	Monocrystalline 156×156mm
No. of cells	54(6×9)
Dimension of module	1480mm×990mm×35mm
Weight	17.5kg

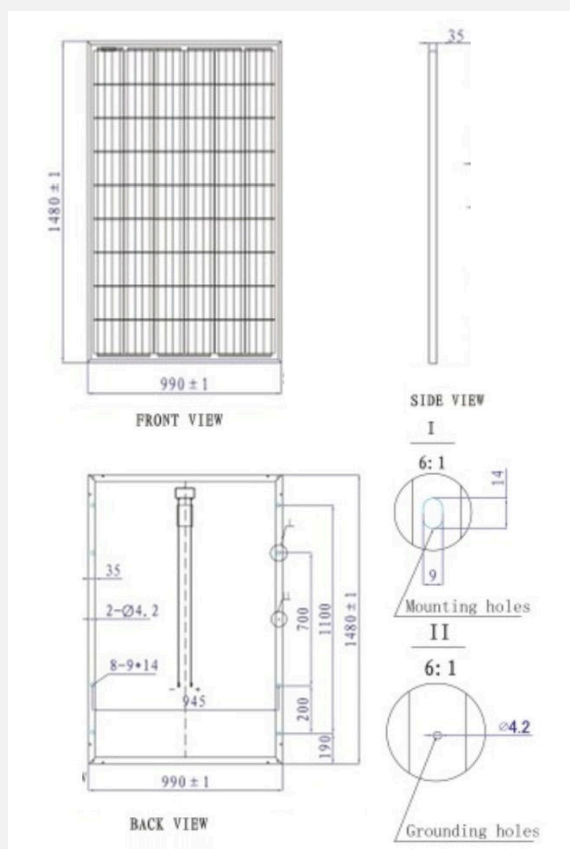
Temperature Coefficients

NOCT	45°C ± 2°C
Temperature coefficient of Isc	(0.06% ± 0.01)/°C
Temperature coefficient of Voc	-(0.34% ± 0.01)/°C
Temperature coefficient of Pmax	-(0.44% ± 0.01)/°C
Power tolerance	0~+3%

NOCT: Nominal operating Cell Temperature above data is only for reference

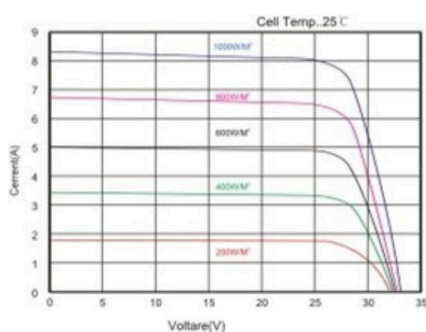
Output

Cable	LAPP(4.0mm ²)
Asymmetrical lengths	1200mm(-) and 800mm(+)
Connection	MC Plug Type IV

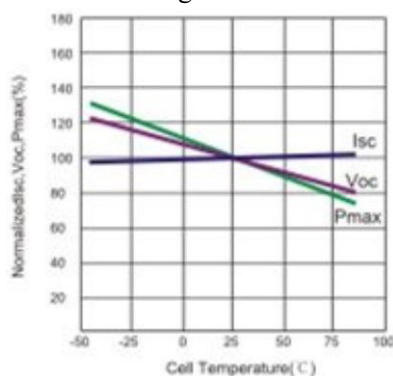


Characteristics

I-V Curves of GER-235M-54



Power voltage current curve



Packing

Container	20'GP	40'GP
Pieces per pallet	30	30
Pallets per container	14	30
Pieces per container	420	900

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