



EMPIRE PHOTOVOLTAIC 'S

Key Features

15.1%
Module Efficiency

235W-245W
Power Output

5 Years
Warranty on Workmanship

25 Years
Warranty On Power Output



Flash testing for 100% Modules With PASAN
AAA Rated Sun Simulator



10 Years warranty at 90%, 25 years warranty at
80% Workmanship Warranty 5Years.



IEC 61215
IEC 61730
IEC 61701



Excellent performance under low light environments
(mornings, evenings and cloudy days)



Guaranteed positive tolerance -0/+1% Ensures
power output reliability



Independent international authentication certified.

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Electrical Characteristics @ STC

Module	EPG-235	EPG-240	EPG-245
Module Power Pmax Wp	235	240	245
Max Power Voltage Vmp	29.46	29.94	30
Max Power Current Imp	7.98	8.05	8.17
Open Circuit Voltage Voc	36.48	37.02	37.14
Short Circuit Current Isc	8.55	8.6	8.65
Cell efficiency in %	16.6%	17.0%	17.4%
Module efficiency in %	14.32%	14.63%	14.93%
Operating temperature	-40°C to + 85°C		
Series fuse rating	16 Amps		
Maximum system voltage	1000V DC(IEC)		
Normal Operating Cell Temp(NOCT)	48°C ± 2°C		

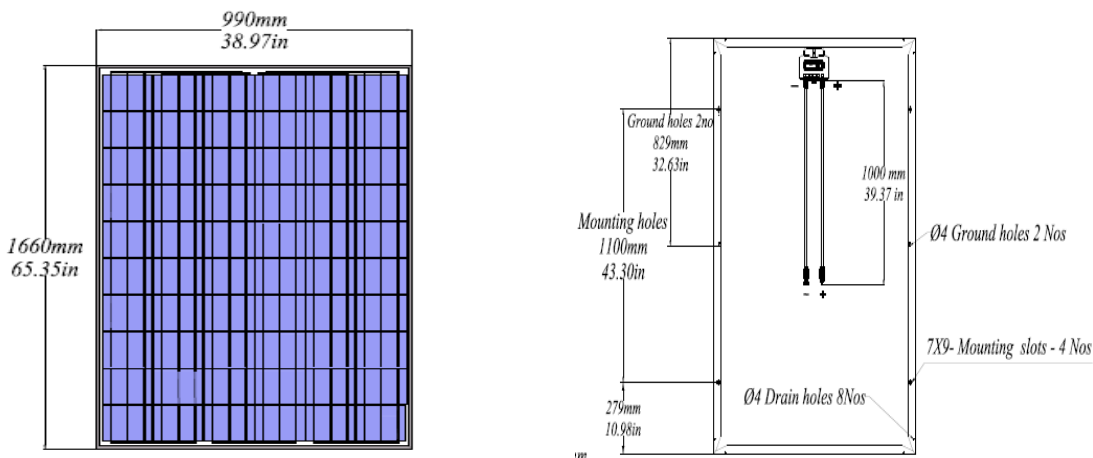
Mechanical Characteristics

No of cells & Type	60 Cells(6*10),156mm si-Poly
Module Mechanical Data (Size)	1659 X 989 X 40 mm
Frame	Anodized Aluminum Alloy
Front Cover (Glass)	Low Iron Tempered Glass 3.2mm ,
Module weight Kgs	19
Junction Box Type	IP65 MC4 Connector with 1mtr cable
Cable	4Sq.mm(EU),12AWG(US)

Temperature Characteristics

Temperature Coefficient of Voc	-0.34±0.01 (%/°C)
Temperature Coefficient of Isc	+0.07±0.02 (%/°C)
Temperature Coefficient of Pmax	-0.46±0.02 (%/°C)

Engineering Drawings



* Specifications are subject to change with out further Notifications.

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