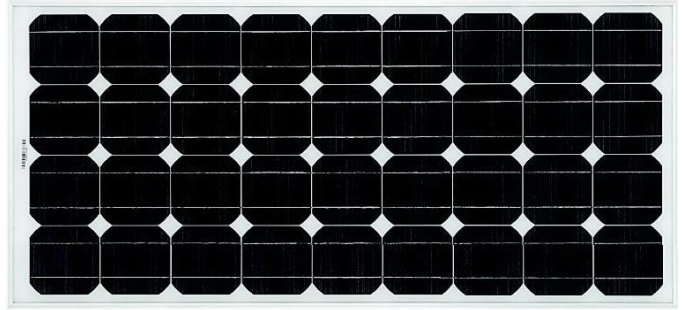


# Solar Energy

power plus

## MONOCRYSTALLINE SILICON H-SERIES MODULE



SPECIFICATION		TOLERANCE		
Cells	Mono crystal Si 125mmx125mm pseudo square	Parameter	Values	Unit
Number of cells	36 series connected	Operating temperature	-40 +85	°C
Typical application	12V DC	Hail diameter @ 80Km/h	Up to 25	mm
Maximum voltage	715V DC	Continuous wind pressure	Up to 130	Km/h
Size	mm 1195 (L) x 541(W) x30(H)	CONNECTION TERMINALS		
Weight	8 Kg	Connector type	0.75m wire (Ø 4mm <sup>2</sup> ) Connector type with MC connector	
Front glass	3.2 mm thick			

### ELECTRICAL TYPICAL VALUES (1)

Model	Rating Power (Pm)	Tolerance	Rated Current (Im)	Rated Voltage (Vm)	Short Circuit Current (Isc)	Open Circuit Voltage (Voc)
SE075M12/H	75W	±5%	4.31A	17.4V	4.88A	21.7V
SE080M12/H	80W	±5%	4.50A	17.8V	5.00A	21.8V
SE085M12/H	85W	±5%	4.75A	17.9V	5.12A	22.3V
SE090M12/H	90W	±5%	5.00A	18.0V	5.20A	22.5V

**NOCT: 48°C ±2°C**

NOCT: Nominal Operation Cell Temperature

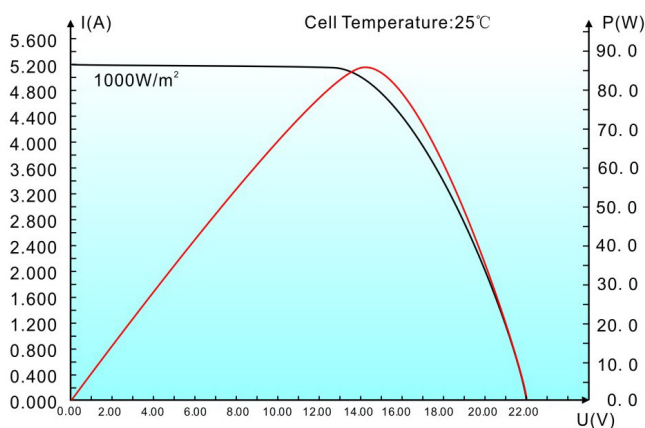
Voltage Temperature coefficient: -0.16V/°C

Current Temperature coefficient: 0.06%/°C

Power Temperature coefficient: -0.45%/°C

Note: defined as standard deviation of thousands measurements. Absolute power values depend on the measuring system. They can differ by ±3% from one measuring system to another.

### CHARACTERISTIC CURVES



### DIMENSIONS

