



290W MONOCRYSTALLINE MODULES

Product Description:

Specification	
Cells	Mono crystal 156mmx156mm square
Number of cells	72 (6x12) series connected
Typical application	36V DC
Maximum voltage	1000V DC
Size	1956(L) x992(W) x50(H) mm
Weight	23 Kgs
Front glass	4.0 mm

Tolerance		
Parameter	Values	Unit
Operating temperature	-45 to 80	°C
Hail diameter @ 80Km/h	Up to 25	mm
Continuous wind pressure	Up to 24	m/s

Connection terminals	
Connector type	MC4

Parameter	
Model	DSP290M
Rating power (Pm)	290W
Efficiency of cell	≥16.6%
Tolerance	±3%
Rated current (Im)	8.03A
Rated voltage (Vm)	36.1V
Short circuit Current (Isc)	8.53A
Open circuit Voltage (Voc)	45.2V
NOCT:45°C+2 °C	Temperature coefficient Voltage: 0.16V/°C / -(160 +10)mV/oC
	Temperature coefficient of power: -(0.5+0.05)%/oC
	Temperature coefficient Current: 0.06%/°C / (0.065 +0.015)%/oC

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	
Mechanical characteristics	
Dimensions	
Certificate	CE