



## 230W MONOCRYSTALLINE MODULES

### Product Description:

Specification	
<b>Cells</b>	Mono crystal 156mmx156mm square
<b>Number of cells</b>	60 (6x10) series connected
<b>Typical application</b>	24V DC
<b>Maximum voltage</b>	1000V DC
<b>Size</b>	1640(L) x992(W) x50(H) mm
<b>Weight</b>	23 Kgs
<b>Front glass</b>	4 mm

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

Connection terminals	
<b>Connector type</b>	MC4

Parameter	
<b>Model</b>	DSP230D
<b>Rating power (Pm)</b>	230W
<b>Efficiency of cell</b>	≥15.96%
<b>Tolerance</b>	±3%
<b>Rated current (Im)</b>	7.90A
<b>Rated voltage (Vm)</b>	29.1V
<b>Short circuitCurrent (Isc)</b>	8.03A
<b>Open circuit Voltage (Voc)</b>	38.3V
<b>NOCT:45°C+2°C</b>	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.

<b>Characteristic curves</b>	
<b>Mechanical characteristics</b>	
<b>Dimensions</b>	
<b>Certificate</b>	CE