



79 Kempston Rd. Sidwell. Port Elizabeth . P.O Box 263 . Port Elizabeth . 6000

## 260W - 300W Mono Solar Modules

260 - 300W Mono Solar Modules									
Description/Model	260(72)M6	265(72)M6	270(72)M6	275(72)M6	280(72)M6	285(72)M6	290(72)M6	295(72)M6	300(72)M6
Rated max. power (Mp):	260	265	270	275	280	285	290	295	300
Open circuit voltage (Voc):	43.70	43.80	43.90	44.10	44.20	44.40	44.50	44.60	44.80
Short circuit current (Isc):	8.23	8.31	8.39	8.46	8.53	8.59	8.68	8.73	8.80
Maximum power voltage (Vmp):	34.80	35.00	35.10	35.30	35.50	35.70	35.80	35.90	36.10
Maximum power current (Imp):	7.48	7.58	7.70	7.80	7.89	7.99	8.11	8.22	8.32
Cell efficiency (%):	15.25%	15.50%	15.75%	16.00%	16.25%	16.50%	16.75%	17.00%	17.50%
Max. System voltage (VDC):	1000V DC								
Temperature coefficient of Vm:	-0.35%/K								
Temperature coefficient of Im:	0.035%/K								
Temperature coefficient of power:	-0.47%/K								
Maximum series fuse rating:	15 A								
Solar cell and configuration:	6 x 12 matrix connected in series, monocrystalline (156 x 156)								
Junction box:	IP65, 1000 VDC, TUV certified; 6pcs Schottky By-pass diodes								
Cable type, diameter:	4mm <sup>2</sup> , TUV certified, 0.9m length								
Encapsulation:	low iron tempered glass, 3.2mm thickness, light transmission above 91%; TPT and fast cure EVA								
Frame:	clear anodized aluminum alloy, 50mm thickness, silver								
Dimension (L x W x H):	1956 x 990 x 50mm								
Weight:	23.5kg								
Heavy mechanical load salient features:	5400Pa (according to IEC61215)								
Hail impact test:	ice ball diameter 25mm, 23m/s								
Operating temperature:	-40°C - +85°C								
Standard test conditions:	STC: AM = 1.5, 1000W/m <sup>2</sup> , cells temperature 25°C								
Power tolerance:	±3%; Voc / Isc / Vmp / Lmp tolerance: ±10%								



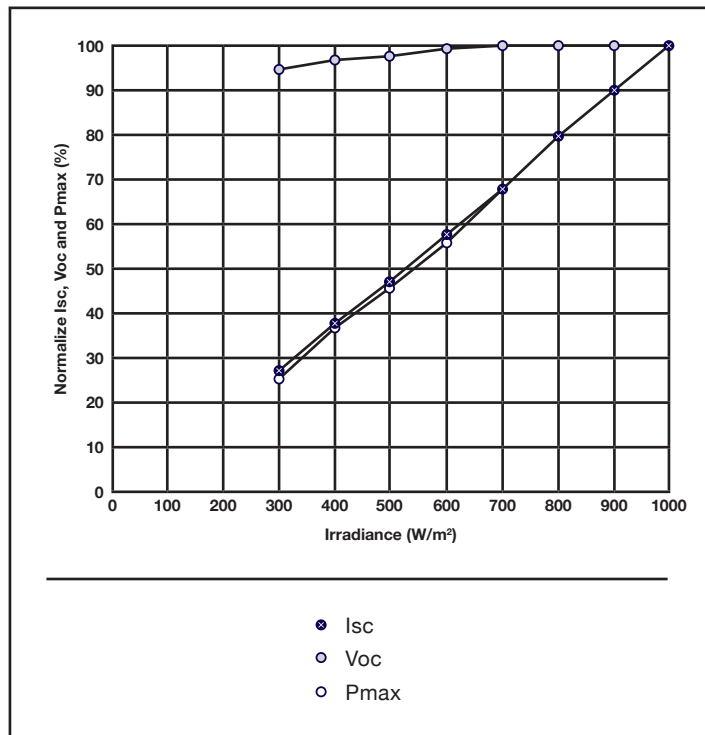


# MODULE MAX

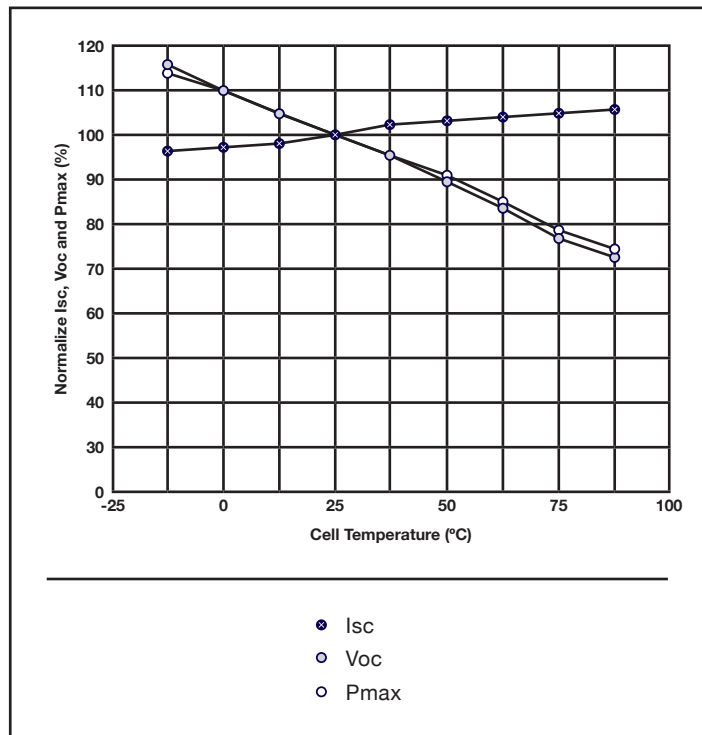
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Temperature dependence of I<sub>sc</sub>, V<sub>oc</sub> and P<sub>max</sub>



Irradiance dependence of I<sub>sc</sub>, V<sub>oc</sub> and P<sub>max</sub> (25°C)



Current-Voltage & Power-Voltage Curve (280W, 25°C)

