



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

## 170W - 200W Mono Solar Modules

170 - 200W Mono Solar Modules							
Description/Model	170(72)M5-50 / 45 / 35	175(72)M5-50 / 45 / 35	180(72)M5-50 / 45 / 35	185(72)M5-50 / 45 / 35	190(72)M5-50 / 45 / 35	195(72)M5-50 / 45 / 35	200(72)M5-50 / 45 / 35
Rated max. power (Pmax):	170	175	180	185	190	195	200
Open circuit voltage (Voc):	43.92	44.50	44.70	44.80	44.80	45.10	45.43
Short circuit current (Isc):	5.05	5.15	5.23	5.42	5.52	5.56	5.56
Max. power voltage (Vmp):	35.80	36.50	36.50	36.50	37.10	37.60	37.94
Max. power current (Imp):	4.75	4.80	4.94	5.07	5.15	5.20	5.24
Max. power current (Imp):	1000V DC						
Max system voltage (VDC):	-0.24%/K						
Temperature coefficient of Vm:	+0.033%/K						
Temperature coefficient of power:	-0.37%/K						
Maximum series fuse rating:	10 A						
Solar cell and configuration:	72pcs (6 x 12) in series, 125 x 125mm mono crystalline						
Junction box:	IP65, 1000 VDC, TUV certified; 3 pcs Schottky By-pass diodes						
Cable & Connector:	4mm <sup>2</sup> , TUV certificated, 0.9m length; MC4						
Encapsulation:	low iron tempered glass, 3.2mm thickness, light transmission above 91%; TPT and fast cure EVA						
Frame:	clear anodized aluminum alloy, 50/45/35mm thickness, silver						
Dimension (L x W x H):	1580 x 808 x 50mm (XXXX(72)M5-50) 1580 x 808 x 45mm (XXXX(72)M5-45) 1580 x 808 x 35mm (XXXX(72)M5-35)						
Weight:	16±1kg (XXXX(72)M-50) 15±1kg (XXX(72)M5-45) 14±1kg (XXX(72)M5-35)						
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=15, 1000W/m <sup>2</sup> , cells temperature 25°C						
Power tolerance:	±3% (can be provided 0~+3%)						



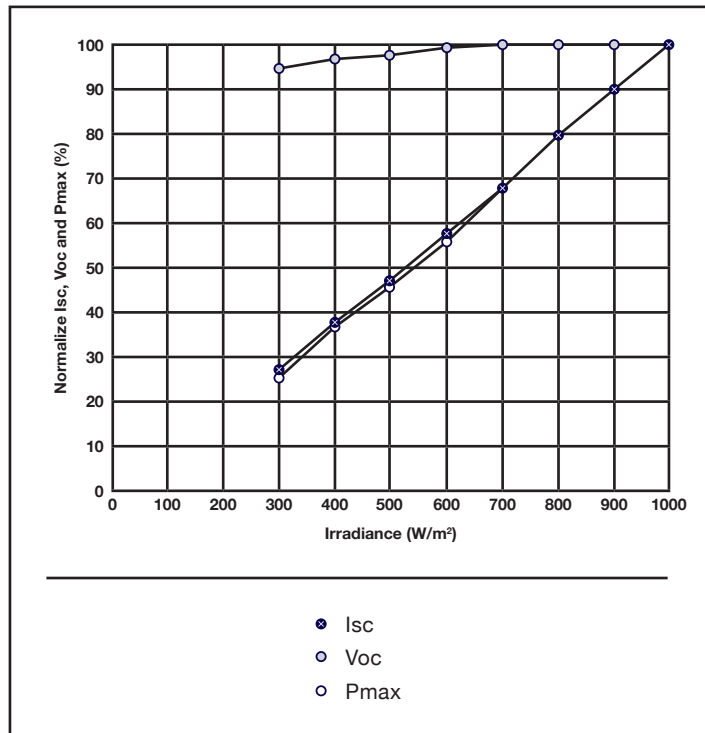


# MODULE MAX

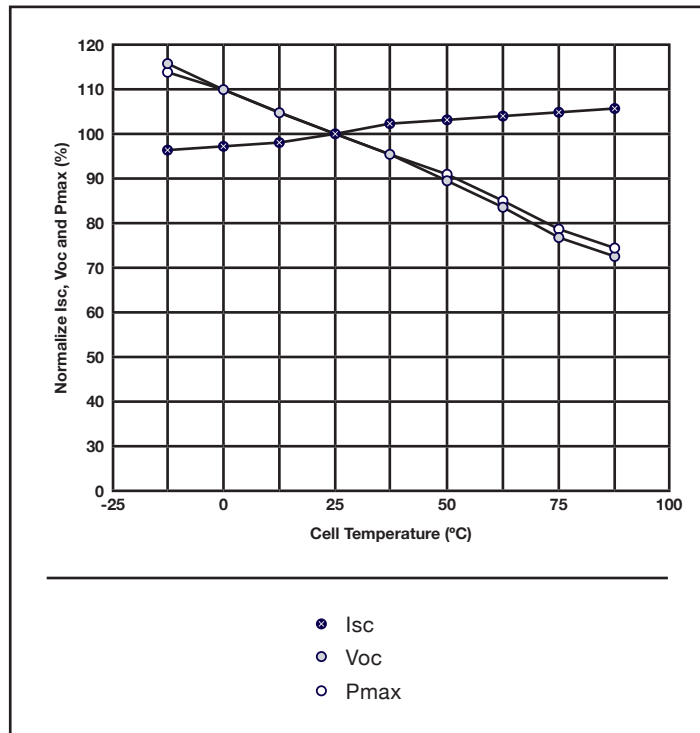
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Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax (25°C)



Current-Voltage & Power-Voltage Curve (75W, 25°C)

