

MODULE MAX

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

210W - 250W Mono Solar Modules

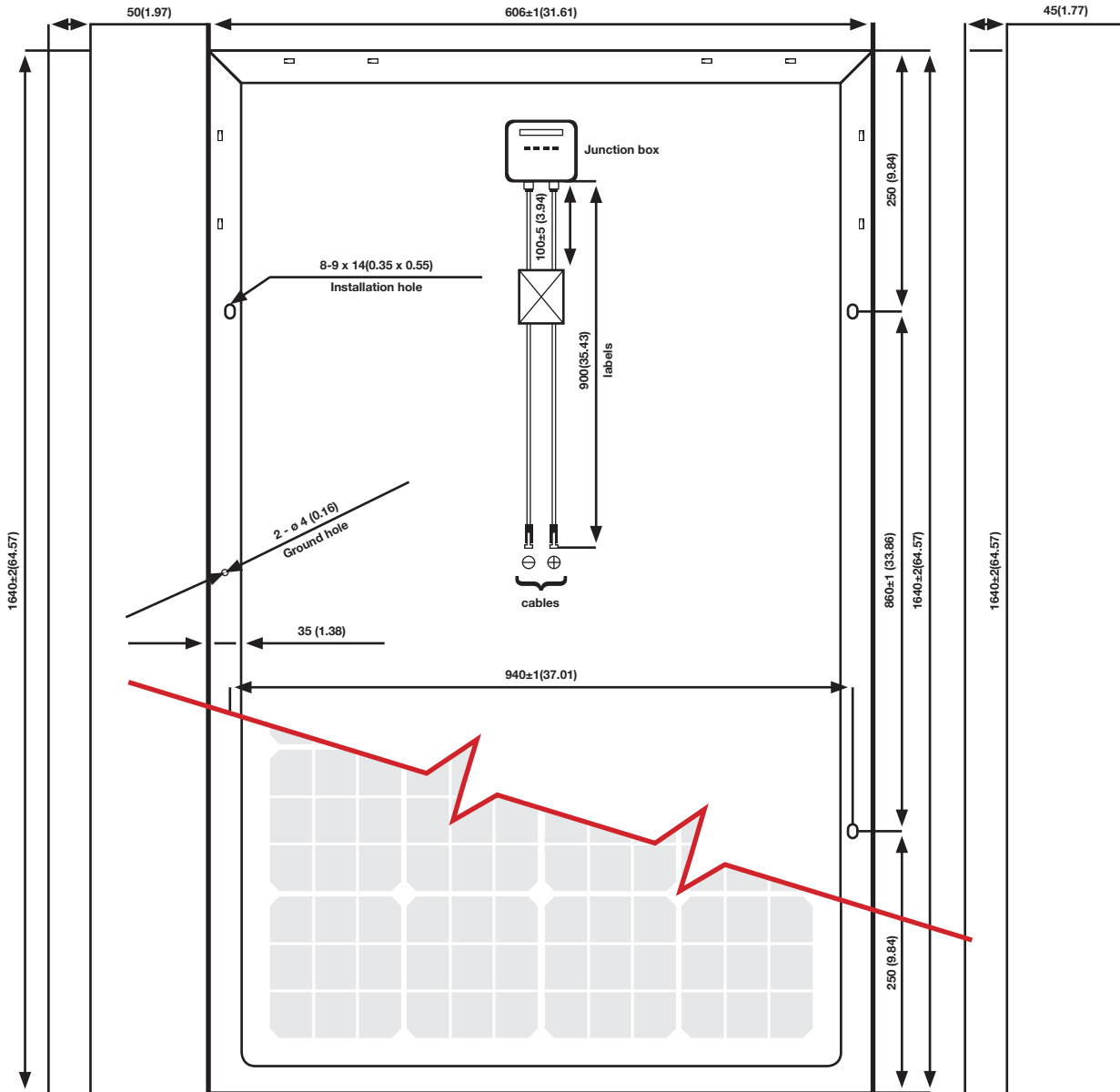
210 - 250W Mono Solar Modules									
Description/Model	210(60)M6 50/45	215(60)M6 50/45	220(60)M6 50/45	225(60)M6 50/45	230(60)M6 50/45	235(60)M6 50/45	240(60)M6 50/45	245(60)M6 50/45	250(60)M6 50/45
Rated max. power (Pmax):	210	215	220	225	230	235	240	245	250
Open circuit voltage (Voc):	36.20	36.40	36.50	36.70	36.80	36.80	37.00	37.20	37.30
Short circuit current (Isc):	8.14	8.20	8.28	8.36	8.45	8.54	8.62	8.69	8.78
Max. power voltage (Vmp):	28.80	29.0	29.10	29.30	29.50	29.60	29.80	30.00	30.10
Max. power current (Imp):	7.30	7.41	7.57	7.68	7.80	7.94	8.06	8.17	8.31
Cell efficiency (%):	14.70%	15.05%	15.40%	15.75%	16.10%	16.45%	16.805	17.15%	17.50%
Max system voltage (VDC):	1000V DC								
Temperature coefficient of Vm:	-0.241%/K								
Temperature coefficient of Im:	+0.033%/K								
Temperature coefficient of power:	-0.37%/K								
Max. series fuse rating:	15 A								
Solar cell and configuration:	60pcs (6 x 10) in series, 156 x 156mm monocrystalline								
Junction box:	IP65, 1000 VDC, TUV certified; 6 pcs Schottky By-pass diodes								
Cable type & connector:	4mm ² , 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, 50/45mm thickness, silver								
Dimension (L x W x H):	1640 x 990 x 50mm (XXX(60)M6-50) 1640 x 990 x 45mm (XXX(60)M6-45)								
Weight:	20±1kg (XXX(60)M6-50) 19±1kg (XXX(60)M6-45)								
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 ² , cells temperature 25°C								
Power tolerance:	±3% (can be provided 0~+3%)								



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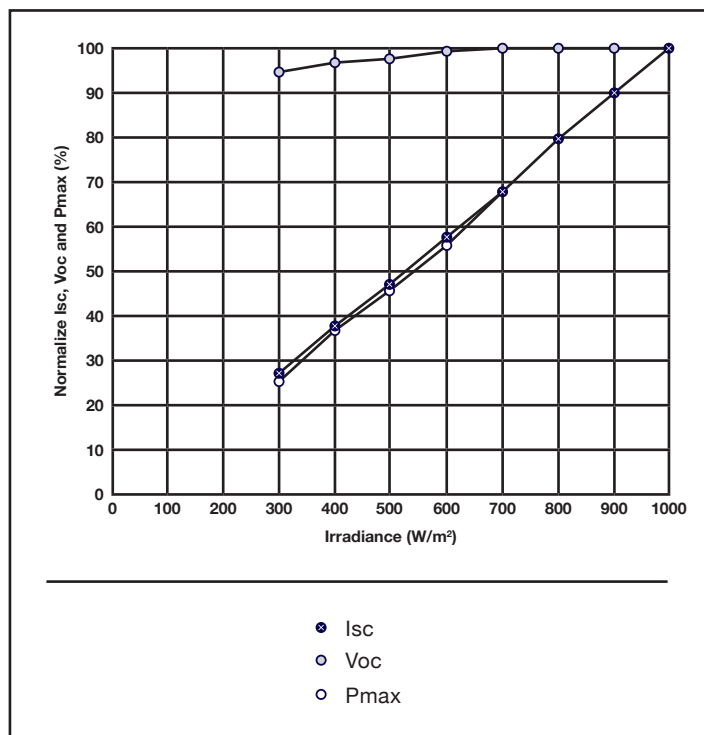


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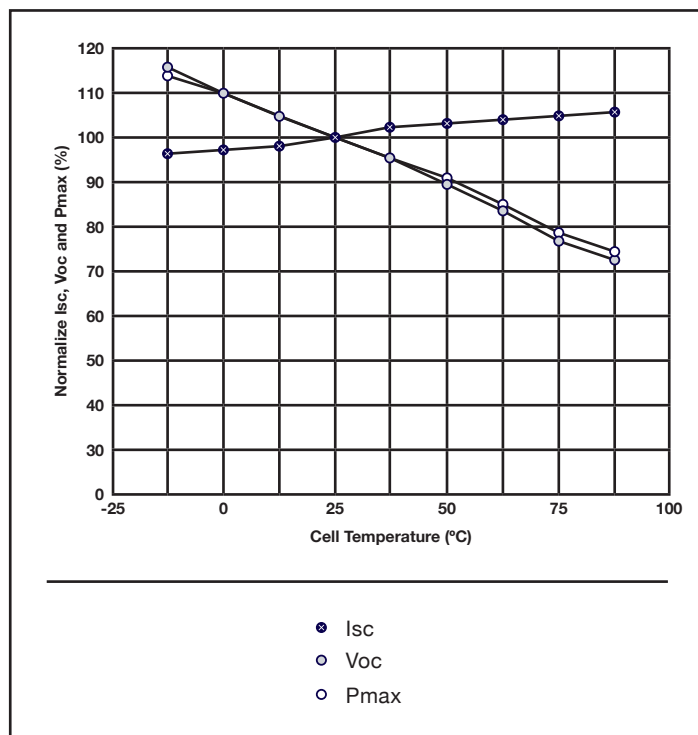
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Temperature dependence of Isc, Voc and Pmax



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



Current-Voltage & Power-Voltage Curve (220W, 25°C)

