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Solar Panel Guide Specification Data Sheet

Rocsolar New Energy Co., Ltd.

6M-160-180

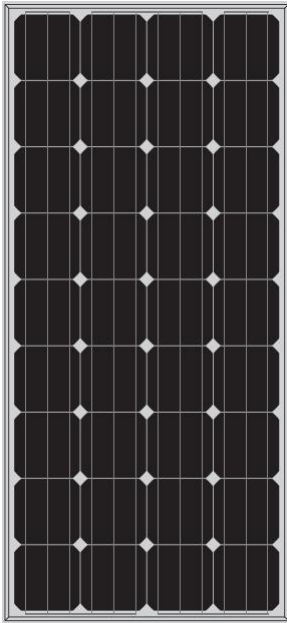
6M-160

Also available on the web at
EnergyPal.com/rocsolar-new-energy-co-ltd-solar-panels/6m-160



MONOCRYSTALLINE SILICON MODULE 170WP SERIES

6M-160 165 170 175 180



Products Characteristics

- Widely using of the most popular and mature type of modules for off-grid system.
- Leading manufacturing technology in PV industry, strictly control the quality of raw materials and the process of producing.
- 100% EL inspection, ensures modules are defects free.
- Cells binned by current to improve module performance.
- Anti-reflection glass. Not only to increase the light absorption, but also to make the module has the funtion of self-cleaning in water environment, effectively reducing the power loss caused by dust.
- Outstanding performance in low-light irradiance environments.
- Excellent mechanical load resistance: Certified to withstand high wind load(2400pa) and snow loads (5400pa).
- High salt and ammonia resistance.
- Positive power tolerance: 0~+5%.

Warranty

- 10years products warranty.
- 10 years 90%、25 years 80% output power warranty.

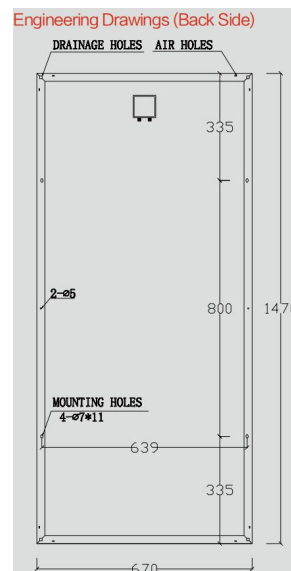
PRODUCTS CERTIFICATION

- ISO9001:2008: ISO Quality management systems
- IEC61215、IEC61730
- CQC Certificate
- CE Certificate
- SGS-TUVCertificate

Raw materials and mechanical para.



	6M-160	6M-165	6M-170	6M-175	6M-180
Solar cell dimension (mm)	Mono crystalline156.75X156.75mm				
Solar cell quantity (pcs)	4X9=36				
Module dimension (mm)	1470X670X30				
Module weight (kg)	11.0				
Glass	3.2mm Tempered Glass				
Encapsulation	EVA				
Backsheet	Multilayer composite				
Aluminium-frame	Silver/black Anodized aluminium alloy				
Junction box	IP65/IP67				
Cable	4mm ² ,900mm				
Connector	MC4 andMC4 Compatible				
Package configuration	4pcs/ctn				



← Engineering Drawing (Back Side)

Performance parameters

	6M-160	6M-165	6M-170	6M-175	6M-180
Maximum system voltage					700V
Operating temperature					-45°C~+80°C
Maximum series fuse					10A
Maximum static load, front side (e.x. snow, wind)					5400PA
Maximum static load, back side (e.x. wind)					2400PA
Applicaition grade					Class A

Electrical parameters (Standard test condition)

	6M-160	6M-165	6M-170	6M-175	6M-180
Rated max. Power(Wp)	160W	165W	170W	175W	185W
Power tolerance			0~+5%		
Cell efficiency	18.6%	19.1%	19.6%	20.2%	20.8%
Open circuit voltage	22.7V	22.9V	23.0V	23.1V	23.4V
Max. power voltage (Vmp)	18.6V	18.7V	18.8V	18.9V	19.1V
Short circuit current (Isc)	9.12A	9.35A	9.59A	9.81A	9.99A
Max. power current(Imp)	8.60A	8.82A	8.24A	9.04A	9.42A
Temperature coefficient of Isc			0.06%		
Temperature coefficient of Voc			-0.33%		
Temperature coefficient of Pmp			-0.45%		
Temperature coefficient of Pmp			-0.45%		
Standard test condition	Irradiance: 1000W/M2, Cell temperature 25°C, Spectrum AM: AM1.5				