



Solar Panel Energy (Pty) Ltd

VAT: 4600287983
204 Louis Trichardt Blvd, Vanderbijlpark
www.sp-energy.co.za

CNBM 6M-120

MONOCRYSTALLINE SILICON MODULE

RAW MATERIALS AND MECHANICAL PARAMETERS

6M-120

Type of Cells(mm)	Mono 41.5 x 166
NO. of Cells and Connections	4 x 19=76
Dimensions(mm)(L*W*H)	700 x 880 x 30mm
Weight(kg)	8.5Kg
Glass	3.2mm Tempered Glass
Encapsulation	EVA
Backsheet	Multilayer Composite
Frame	Silver Anodized Aluminium Alloy
Junction Box	Ip65 / IP67
Cable	4mm ² ,900mm
Connector	Mc4 and MC4 Compatible
Package Configuration	4pcs

PERFORMANCE PARAMETERS

6M-120

Maximum System Voltage	700V
Operating Temperature	-45~+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
Application Grade	Class A

ELECTRICAL PARAMETERS (STANDARD TEST CONDITION)

6M-120

Rated Maximum Power(Mp)	120W
Power Tolerance	0+ _5W
Module Efficiency	18.60%
Open Circuit Voltage(Voc)	22.7V
Maximum Power Voltage(Vmp)	18.6V
Short Circuit Current(Isc)	6.84A
Maximum Power Current(Imp)	6.45A
Temperature Coefficient of Isc	+0.06%
Temperature Coefficient of Voc	-0.32%
Temperature Coefficient of Pmp	-0.45%



Widely using of the most popular and mature type of modules for on-grid system.



Leading manufacturing technology in PV industry, strictly controlling 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.



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Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Excellent mechanical load resistance: Certified to withstand high wind loads (2400pa) and snow loads(5400pa)



High salt and ammonia resistance.



Positive power tolerance:0+5w.



10 years
products
warranty

25 year
power output
warranty