



Solar Panel Energy (Pty) Ltd

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CNBM 6P-100

POLYCRYSTALLINE SILICON MODULE

RAW MATERIALS AND MECHANICAL PARAMETERS

6P-100

Type of Cells(mm)	Poly 156 x 104 / 152 x 52
NO. of Cells and Connections	4 x 9=36 / 4 x 18=72
Dimensions(mm)(L*W*H)	1020 x 670 x 30mm
Weight(kg)	27.7Kg
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

6P-100

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)

6P-100

Rated Maximum Power(Mp)	100W
Power Tolerance	0+ _5W
Module Efficiency	17.2%
Open Circuit Voltage(Voc)	22.3V
Maximum Power Voltage(Vmp)	18.2V
Short Circuit Current(Isc)	5.82A
Maximum Power Current(Imp)	5.49A
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