

BC-70W

QN-1823222M70

HIGH EFFICIENCY
BACK CONTACT



Outstanding Performance

Potential New Energy BC series improves power generation capacity greatly with comprehensive upgrade of Back Contact cells and modules.

Market-leading Reliability

Potential New Energy BC series pioneers the adoption of full back welding technology to effectively improve the resistance to micro cracking of modules.

Optimized Balance of System (BOS)

Significant savings on mounting structure, cabling, and labour cost.

Comprehensive Certificates

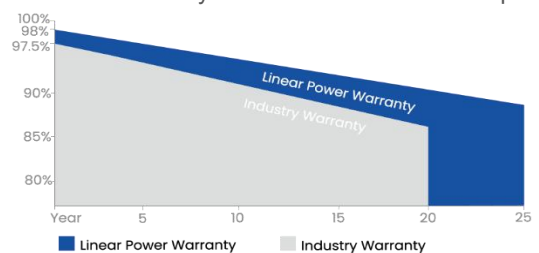
IEC61215, IEC61701, IEC61730
ISO9001:2015 Quality management systems
ISO45001: Environmental management systems
ISO45001:2018 Occupational health and safety management systems

Aesthetic Appearance

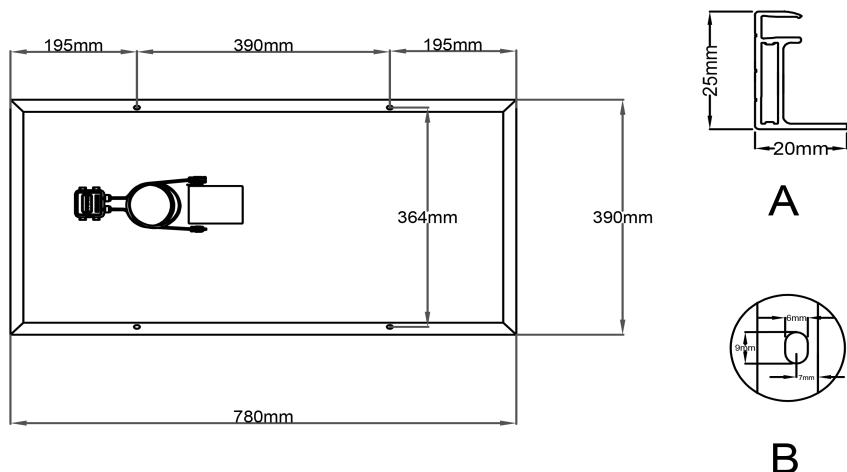
Potential New Energy BC series simplifies the complexity and redefines the aesthetic concept of photovoltaic modules.

Quality Guarantee

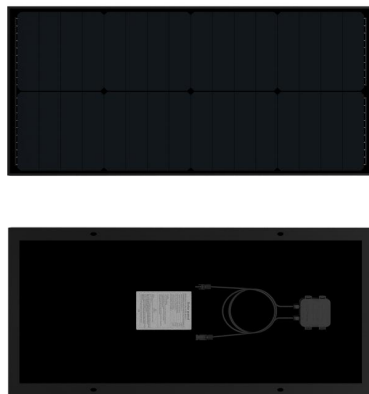
5-Year Warranty for Materials and Processing
25-Year Warranty for Extra Linear Power Output



Drawings



Product Image



Mechanical Parameters

Solar Cell (Type/Size)	Mono(182BC)
Solar Cells Number	32Pcs(2*16)
Dimension	780*390*25mm
Weight	KG/Pcs
Tempered Glass	3.2mm High Permeability Coated
Frame	Anodized aluminum alloy
Junction Box	IP67/3*bypass diode
Cable	4mm ² /900mm
Connector	Original MC4/Compatible MC4
Mechanical Load	Front 5400PA/back 2400PA

Operating Parameters

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C

Electrical Parameters at (STC)

Power (W)	70W
Module Efficiency (%)	22.77%
Voltage at Pmax (Vmp)	18.24V
Current at Pmax (Imp)	3.83A
Open Circuit Voltage (Voc)	21.88V
Short Circuit Current (Isc)	4.05A
Power Tolerance (W)	±3%

Packing

Carton Size	795*405*65mm
Number	2Pcs/Ctn
Weight	13KG/Ctn
Volume	0.183Cbm/Ctn
20GP Container	Pcs
40HQ Container	Pcs

STC

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Characteristics

