

POLYCRYSTALLINE 60 CELLS

CSP270-290 WATT

The advantages:

5BB PERC solar Cell

More busbars,the less of broken and cracking,as the narrowed cell bus bar width,the light receiving area and power are increased too

1500V System Voltage

1500V system voltage design compatible to 1000V/1500V and Reduce BOS cost greatly.

Low-Light Performance

Excellent performance in low-light environments (e.g. early morning dusk, and cloud, etc.)

Positive Tolerance

Guaranteed Positive Tolerance up tp 5W

Withstand challenging environmental conditions

2400 Pa negative load
 5400 Pa positive load
 2400/5400 is the measured load,and the safety factor is 1.5 times

PID-Resistant

Anti-PID-Technology

Salt-resistant & Ammonia-Resistant

Passed salt mist & ammonia corrosion,
 blowing sand and hail testing

100% electroluminescence inspection

15 years manufacturer's warranty

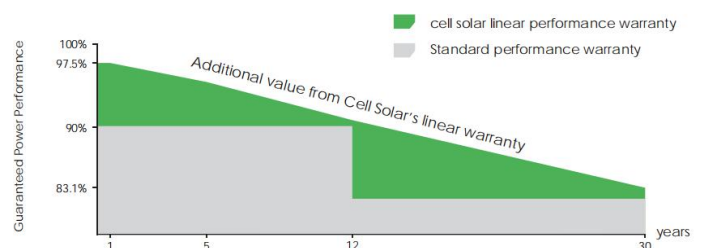


- ISO9001:2015 Quality Standards
- ISO14001:2015 Environmental Standards
- OHSAS18001 Occupational Health & Safety Standards
- IEC61215,IEC61730 certified products
- UL1703 cedified products



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty • 30 Year Linear Power



POLYCRYSTALLINE 60 CELLS

Model—CSP270-290	CSP270-60	CSP275-60	CSP280-60	CSP285-60	CSP290-60
Nominal output P _{mp}	270Wp	275Wp	280Wp	285Wp	290Wp
Nominal voltage V _{mp}	31.24V	31.54V	31.88V	32.19V	32.56V
Nominal current I _{mp}	8.65A	8.72A	8.78A	8.85A	8.91A
Short circuit current I _{sc}	9.03A	9.22A	9.33A	9.43A	9.56A
Open circuit voltage V _{oc}	38.06V	38.46V	38.85V	38.95V	39.63V
Module efficiency	16.70%	16.82%	17.12%	17.55%	17.86%

Electrical characteristics (at Standard Test Conditions (STC) STC:Irradiance 1000W/m , Cell temperature 25°C , AM1.5

MECHANICAL DATA

Solar Cells	5BB Polycrystalline PERC SOLAR CELL		
Cell Orientation	60 cells (6×10)		
Module Dimensions	1640×992×35mm		
Weight	18.20 kg		
Glass	3.2 mm (0.13 inches),High Transmission,AR Coated Heat Strengthened Glass		
Encapsulant Material	EVA (Ethylene-Vinyl-Acetate)		
Backsheet	White Composite film		
Frame	35 mm(1.38 inches)Anodized Aluminium Alloy		
J-Box	IP67/IP68 rated		
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²),		
Connector	MC4 /TS4 Compatible with MC4	MAXIMUM RATINGS	
TEMPERATURE RATINGS		Operational Temperature	-40~+85°C
NMOT(Nominal Moudule Operating Temperature)	41°C (±3°C)		
Temperature Coefficient of P _{MAX}	-0.37%/°C	Maximum System Voltage	1500V DC(IEC)
Temperature Coefficient of V _{OC}	-0.29%/°C		1500V DC(DL)
Temperature Coefficient of I _{SC}	0.05%/°C	Max Series Fuse Rating	20A

