



JC -290 -60 P 60 cells

270-290W

High Efficiency Poly Module



Resistance to salt-spray corrosion (IEC61701, certified to TÜV Rheinland test standard)



Resistance to ammonia Corrosion (IEC62716, certified to TÜV Rheinland test standard)



Fire safety (Class C, certified to TÜV Rheinland and Rheinland test standards)



Resistance to power attenuation passed TÜV Rheinland system voltage endurance test

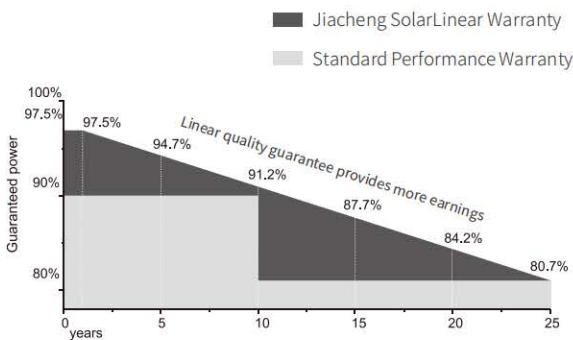


Excellent power output of modules in low light environment



100% double EL test enabling remarkable reduction of hidden crack rate of modules

LINEAR PERFORMANCE WARRANTY



COMPREHENSIVE CERTIFICATES



ISO 9001: Quality Management System
 ISO 14001: Environmental Management System Standard
 OHSAS 18001: International Occupational Health and Safety Assessment System Standard

PRODUCT INSURANCE



Product quality & process guarantee



Linear power guarantee

JC-290-60P 60cells

ELECTRIC CHARACTERISTICS

Model of modules	JC-270-60P JC-270-60PH		JC-275-60P JC-275-60PH		JC-280-60P JC-280-60PH		JC-285-60P JC-285-60PH		JC-290-60P JC-290-60PH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P_{mp} (W)	270	200	275	204	280	208	285	212	290	216
Open-circuit voltage — V_{oc} (V)	38.8	35.4	39.1	35.5	39.4	35.6	39.6	35.7	39.9	35.9
Short-circuit current — I_{sc} (A)	9.09	7.38	9.15	7.44	9.20	7.99	9.26	8.05	9.34	8.12
Maximum power voltage — V_{mp} (V)	31.7	29.4	32.0	29.8	32.3	30.1	32.5	30.4	32.8	30.8
Maximum power current — I_{mp} (A)	8.52	6.80	8.61	6.85	8.69	6.91	8.77	6.97	8.86	7.03
Module efficiency — η_m (%)	16.60%		16.90%		17.21%		17.52%		17.83%	
Power tolerance (W)	(0,+3)									
Maximum system voltage (V)	1000V/1500V									
Maximum rated fuse current (A)	20									
Current operating temperature (°C)	-40~+85 °C									

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/S

STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	1640 x 992 x 35mm
Weight	18.0 kg
Number of cells	60 cells (6x10)
Cell	Polycrystalline 156.75x156.75mm
Glass	Tempered, 3.2mm AR, High transmittance, Low iron
Frame	Anodized aluminum alloy
Junction box	IP67
Output wire	4.0 mm ² , wire length: 1000mm or Customized Length
Connector	MC4 Compatible
Mechanical load	5400 Pa

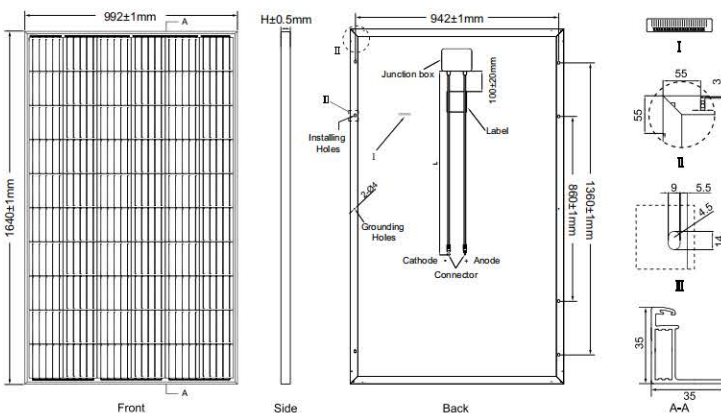
TEMPERFORMANCE RATINGS

Temperature coefficient (P_{max})	-0.38 %/°C
Temperature coefficient (V_{oc})	-0.31 %/°C
Temperature coefficient (I_{sc})	+0.06 %/°C
Nominal operating cell temperature	45±2 °C

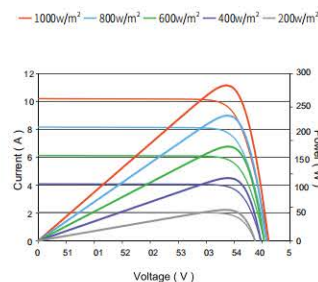
PACKAGING CONFIGURATION

Container	20GP	40HQ
Quantity/pallet	30	31
Pallets/container	12	28
Quantity/container	360	952

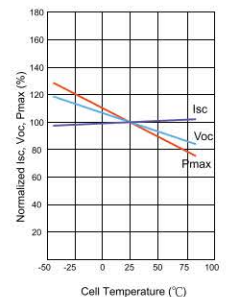
MODULE DIMENSIONS (mm)



Current-Voltage & Power-Voltage Curves (275W)



Temperature Dependence of I_{sc} , V_{oc} , P_{max}



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