

JAYU SOLAR

Maximum Efficiency

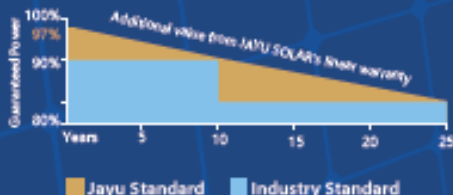
17.52%

Output Power

270-285W



Linear Performance Warranty

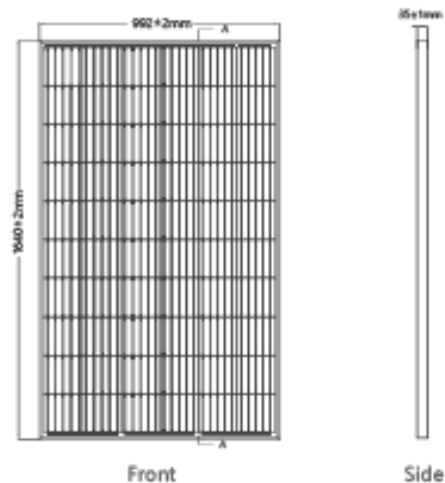


JY270/275/280/285P6-Ab-5 60CELL POLYCRYSTALLINE SOLAR MODULE

Features

- Excellent Space Utilization
- High-Strength Frame
2400Pa wind load, 5400Pa snow load, 25mm hail stones at 82km/h
- Draining Designs
To prevent deforming and fracturing due to freezing or other forces
- Excellent Low Irradiance Power Generation
In morning, evening and rainy days, average conversion efficiency up to 96.5% under STC
- Power categorization watt per pallet thus minimizing workload of classification at worksite

Engineering Drawings



Mechanical Characteristics

Cell Type	Polycrystalline 156.75×156.75mm
Number of cells	60 (6×10)
Dimensions	1640×992×35mm
Weight	18kg
Front Glass	Coated tempered glass
Backsheet	White
Frame Material	Anodized Aluminium Alloy
Fire Safety Class	Class C
Junction Box	IP67, 3 Diodes
Connector	MC4 Compatible
Cables	PV1-F 4MM ²
Encapsulant Material	EVA

Electrical Characteristics(STC)

Maximum Power-PMAX (Wp)	270	275	280	285				
Output Power Tolerance	0~+5Wp							
Optimum Operating Voltage(Vmp)(V)	31.84	32.02	32.27	32.53				
Optimum Operating Current(Imp)(A)	8.49	8.60	8.69	8.76				
Open Circuit Voltage (Voc) (V)	39.06	39.48	39.80	40.04				
Short Circuit Current (Isc) (A)	9.04	9.06	9.13	9.21				
Module Efficiency (%)	16.60%	16.90%	17.21%	17.52%				

STC: Irradiance of 1000 W/m², AM=1.5, module temperature of 25 °C

Electrical Characteristics(NOCT)

Maximum Power-PMAX (Wp)	200	204	208	212				
Optimum Operating Voltage(Vmp)(V)	29.61	29.78	30.01	30.25				
Optimum Operating Current(Imp)(A)	6.78	6.87	6.94	7.00				
Open Circuit Voltage (Voc) (V)	35.86	36.24	36.54	36.76				
Short Circuit Current (Isc) (A)	7.28	7.30	7.35	7.42				

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

Temperature Ratings

NOCT(Nominal Module Operating Temperature)	45°C (±2°C)
Temperature Coefficient of PMAX	-0.40%/°C
Temperature Coefficient of VOC	-0.32%/°C
Temperature Coefficient of ISC	+0.05%/°C

Maximum Ratings

Operational Temperature	-40°C ~ 85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	20A

Do not connect free in Combiner Box with two or more strings in parallel connection

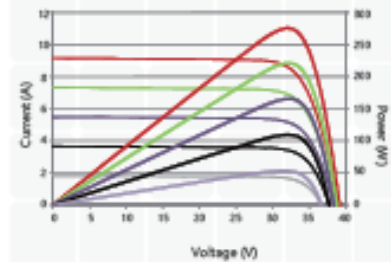
Certificates

Germany TUV, CQC, CE

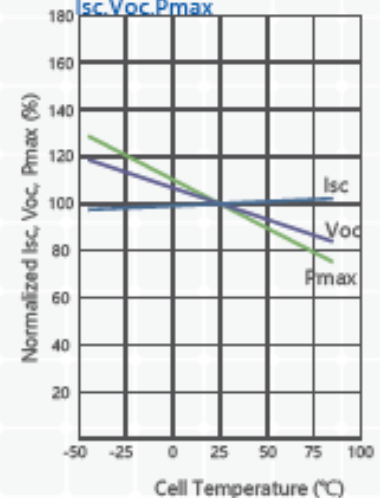
Packaging Configuration

Container	40'HQ	20'GP
Piece per Pallet	30	
Pallet per Container	28	6
Piece per Container	840	180

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



Temperature Dependence of Isc, Voc, Pmax



Xuzhou Jayu Solar Energy Technology Co., Ltd.

DYSTRYBUCA W POLSCE: RENEWABLES

E-MAIL: ZAMOWIENIA@ODNAWIALNE.COM.PL

