

# JAYU SOLAR

Maximum Efficiency

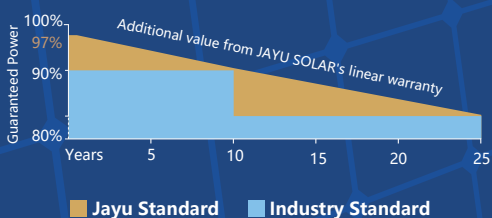
**17.83%**

Output Power

**275-290W**



## Linear Performance Warranty



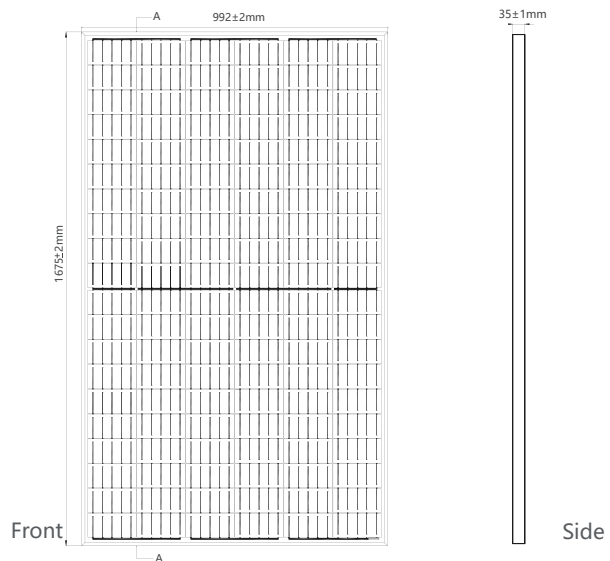
JY275/280/285/290P6-Fh-5

## HALF-CELL 60CELL POLYCRYSTALLINE SOLAR MODULE

### Features

- Half-cut Cell Technology  
New circuit design, Lower internal current, Lower resistance loss
- High-strength Frame  
2400Pa wind load, 5400Pa snow load, 25mm hail stones at 82km/h
- Significantly Lower the Risk of Hot Spot  
Reduce power loss, Increase module output power
- Excellent Anti-PID Performance  
Stringent quality control, High reliability, Internal testing far beyond the industry standards
- Drainaging Designs  
To prevent deforming and fracturing due to freezing or other forces

### Engineering Drawings



### Mechanical Characteristics

Cell Type	Polycrystalline 156.75×78.375mm
Number of cells	120 (6×20)
Dimensions	1675×992×35mm
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 <sup>2</sup>
Encapsulant Material	EVA

## Electrical Characteristics(STC)

Maximum Power-PMAX (Wp)	275	280	285	290				
Output Power Tolerance	0~+5Wp							
Optimum Operating Voltage(Vmp)(V)	32.02	32.27	32.53	32.86				
Optimum Operating Current(Imp)(A)	8.60	8.69	8.76	8.82				
Open Circuit Voltage (Voc) (V)	39.48	39.80	40.04	40.31				
Short Circuit Current (Isc) (A)	9.06	9.13	9.21	9.32				
Module Efficiency (%)	16.90%	17.21%	18.52%	17.83%				

STC: Irradiance of 1000 W/m<sup>2</sup>, AM=1.5, module temperature of 25 °C

## Electrical Characteristics(NOCT)

Maximum Power-PMAX (Wp)	204	208	212	215				
Optimum Operating Voltage(Vmp)(V)	29.78	30.01	30.25	30.56				
Optimum Operating Current(Imp)(A)	6.87	6.94	7.00	7.05				
Open Circuit Voltage (Voc) (V)	36.24	36.54	36.76	37.01				
Short Circuit Current (Isc) (A)	7.30	7.35	7.42	7.50				

NOCT: Irradiance at 800W/m<sup>2</sup>, 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 Fuse in Combiner Box with two or more strings in parallel connection

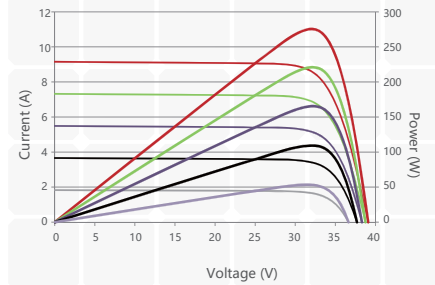
## Certificates

Germany TÜV, CQC, CE
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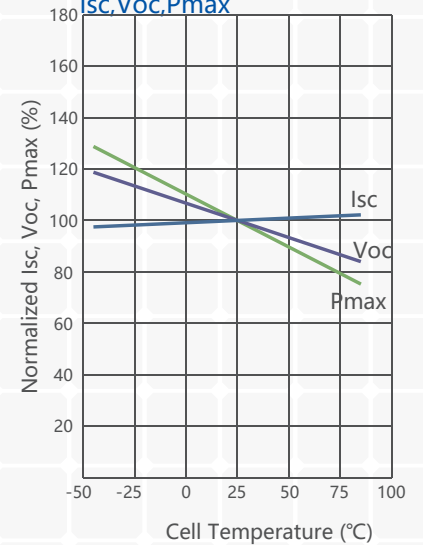
## Packaging Configuration

Container	40'HQ	20'GP
Piece per Pallet	30	
Pallet per Container	26	5
Piece per Container	780	150

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



## Temperature Dependence of Isc, Voc, Pmax



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