

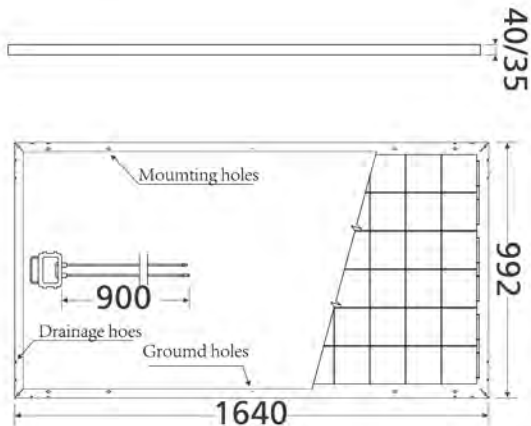
# JYAAAM60 (AAA=275-285W)

( 5BB )

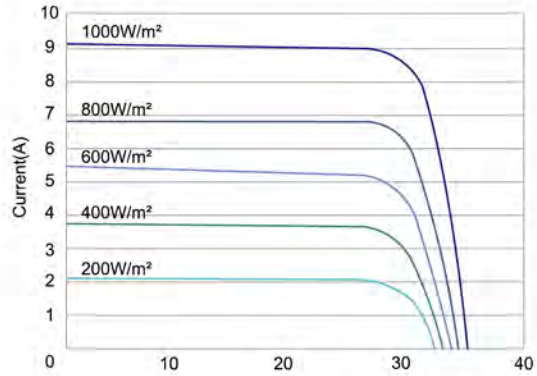


High Efficiency  
Mono-crystalline Solar Module

Dimensions  
(unit:mm)



## I-V Curves



I-V Curves of PV module JYAAAM60 at different light power

## Electrical Characteristics

Solar-cells:	Mono-Crystalline	156.75×156.75mm
	60pcs (6×10)	—5 bus bars
Max-power	275	280 285
Power tolerance	0±3%	
Voltage at pmax (Vmp)	31.7	31.8 32.1
Current at pmax (Imp)	8.70	8.81 8.91
Open-circuit voltage (Voc)	38.5	38.6 38.7
Short-circuit current (Isc)	9.41	9.49 9.51
Max-system voltage (VDC)	1000V(IEC)	
No. of bypass diodes (ocs.)	3	
Max. series fuse (A)	15A	
Temperature coefficient of pmax	-0.395%/°C	
Temperature coefficient of voc	-0.317%/°C	
Temperature coefficient of isc	0.0577%/°C	
Nominal operating cell temperature	45±2°C	

\*STC Conditions (1000W/m²;1.5AM and 25°C cell temperature)

## Mechanical Characteristics

Cable type, diameter and length	Φ=4mm², L=900±5mm
Type of connector	Genuine MC4
Dimension A×B×C	1640×992×40/35mm
Weight	18.2/17.7kg
No. of Draining holes in frame	16
Construction	Glass: high transmission, Low Iron, Tempered glass 3.2mm Encapsulation: EVA Back side: White
Junction box	IP67 Rated
Frame	Clear anodized aluminium alloy type 6063T5 frame

## Qualification Test Parameters

Dielectric insulation voltage	6000VDC max
Operating Temperature	-40°C ~ +85°C
Max load	5400pa
Hailstone impact	25mm(1inch) at 23m/s(52mph)
Fire rating	Class C
Packaging Configuration	1640 992 40/35mm
Packaging configuration	26pcs/box 28pcs/box
Loading capacity	728pcs/40HQ 784pcs/40HQ 156pcs/20GP 168pcs/20GP