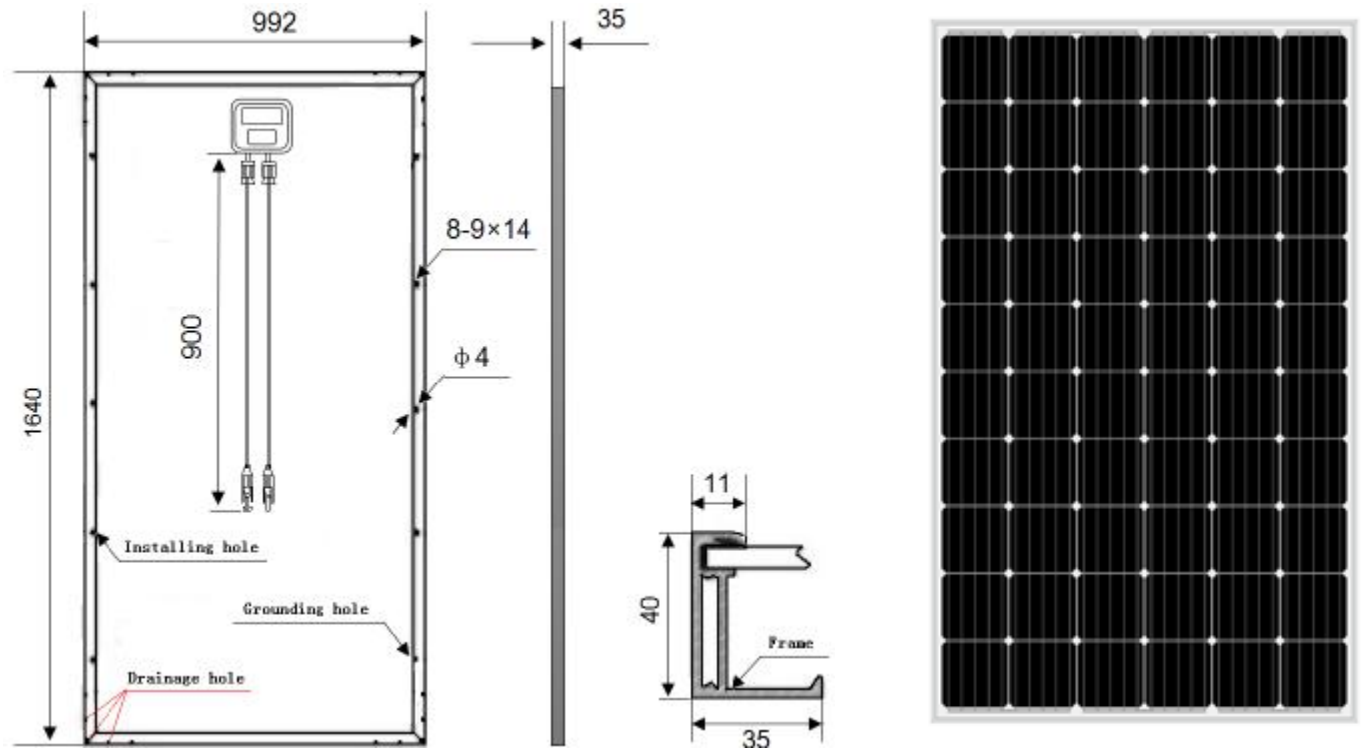


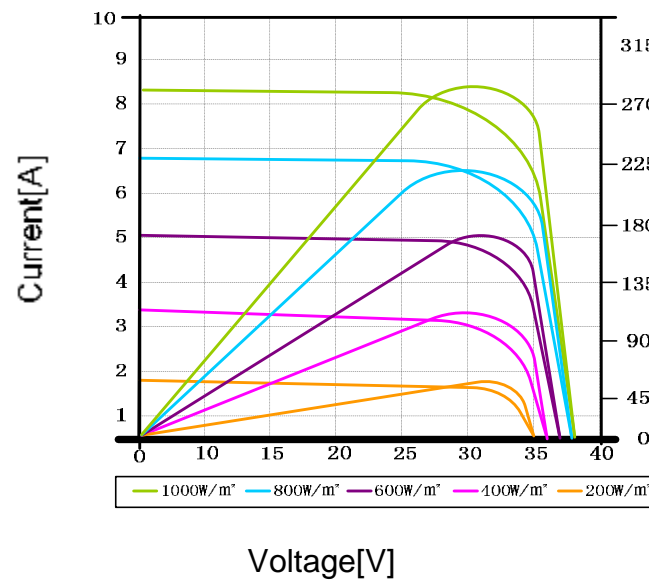
# Monocrystalline 295W (60pcs)

## SPECIFICATIONS

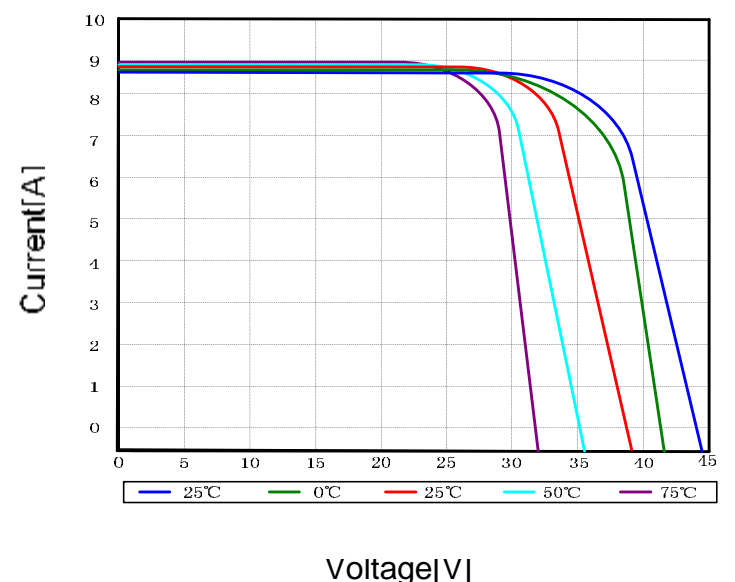
Dimensions	1640×992×35 mm	
Weight	18.5 kg	
Frame	Aluminium hollow-chamber frame on each side	
Glass	Low-iron and tempered Glass 3.2 mm	
Cells	60 pcs Mono-crystalline Si-cells (156×156 mm)	
Cell	EVA	
Embedding	CE IEC TÜV	
Back-Foil	FEVE / PET / FEVE	
Junction Box		
Cable	4mm <sup>2</sup> solar cable 2×900 mm	
Temperature	-40°C...+85°C	
Range		
Load Capacity	5400 Pa	
Application class	Class A	
Electrical protection class	Class II	
Fire safety class	Class C	
Product		
Warranty	25 years	
Power	10 years 90%	
Guarantee	25 years 80%	



## CURRENT-VOLTAGE CURVES



Module characteristics at constant module temperatures (25°C) and different levels of irradiance.



Module characteristics at different module temperatures and constant Module irradiance(1.000W/m<sup>2</sup>).

## CHARACTERISTICS

Max.System Voltage	1000V/DC
Temperature-Coefficient I <sub>sc</sub>	+0.02973%° K
Temperature-Coefficient V <sub>oc</sub>	-0.38038%° K
Temperature-Coefficient P <sub>mpp</sub>	-0.57402%° K
NOCT***	45°C

ESPSC TYPE	STC	NOCT
Power Class	295	217
Max.Power Voltage(V <sub>mpp</sub> )	32.45	29.29
Max.power Current(I <sub>mpp</sub> )	9.09	7.41
Open Circuit Voltage(V <sub>oc</sub> )	40.51	36.41
Short Circuit Current(I <sub>sc</sub> )	9.58	7.74
Module Efficiency	18.10%	

## CERTIFICATES

IEC 61215  
IEC 61730  
CE IEC TÜV

## INSURANCE

Chubb

- \* Mpp: Maximum Power Point
- \*\* STC (Standard Test Conditions): 1000W/m<sup>2</sup>, 25°C, AM 1.5
- \*\*\* Normal Operating Cell Temperature
- \*\*\*\* Grade A Cell
- \*\*\*\*\* Warranty: 25 years ; Power 10 year 90% ; Guarantee 20 years 80%

