

# Monocrystalline 300W (60pcs)

## SPECIFICATIONS

Dimensions	1640×992×40 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 Guarantee	10 years 90%	
	25 years 80%	

## CHARACTERISTICS

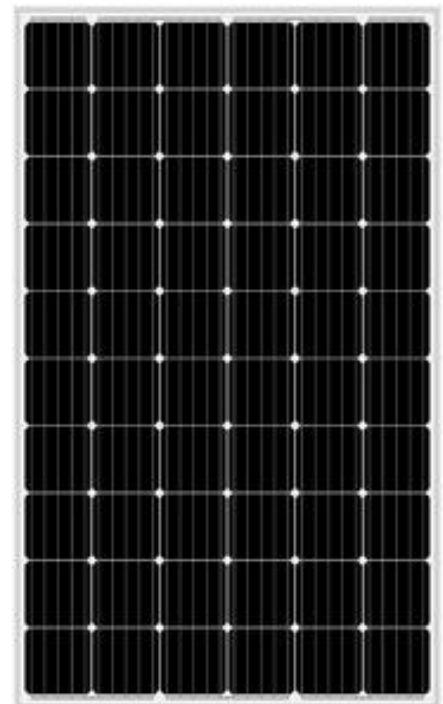
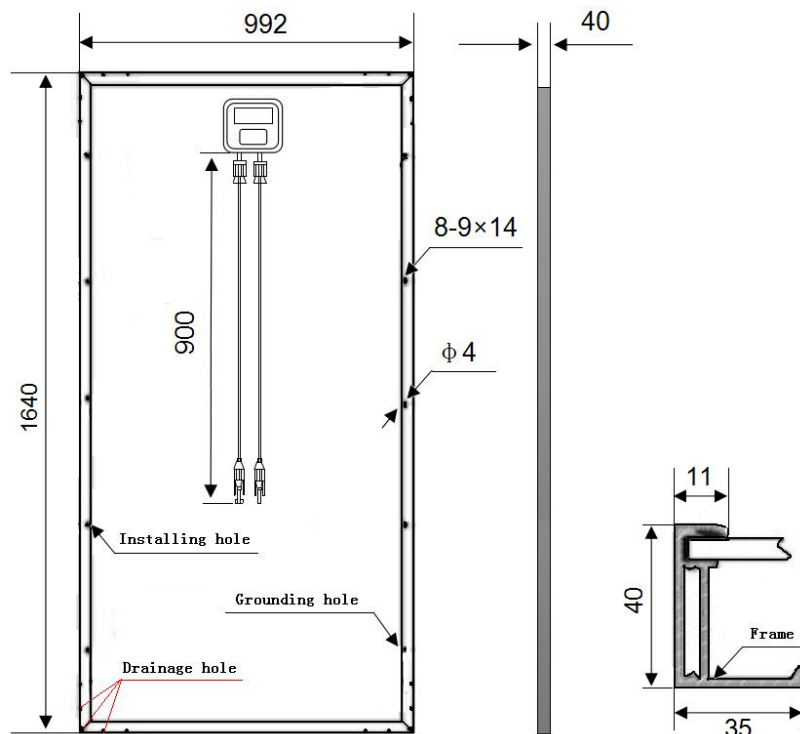
Max. System Voltage	1000V/DC
Temperature Coefficient I <sub>sc</sub>	+0.02973%° K
Temperature Coefficient V <sub>oc</sub>	-0.38038%° K
Temperature Coefficient P <sub>mpp</sub>	-0.57402%° K
NOCT***	45°C

## CERTIFICATES

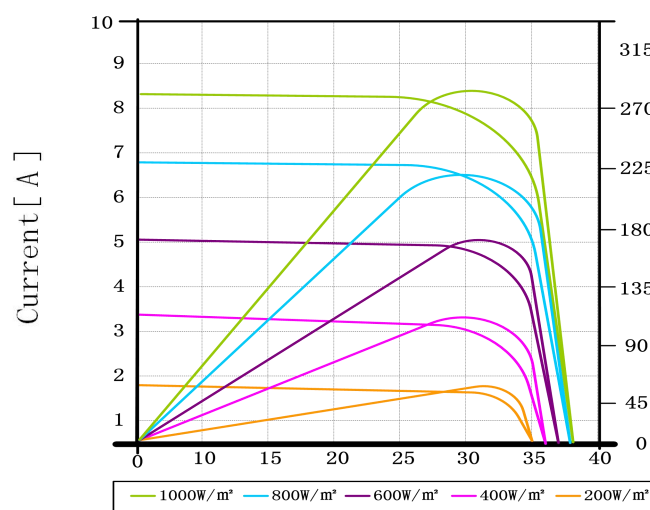
IEC 61215  
IEC 61730  
CE IEC TÜV

## INSURANCE

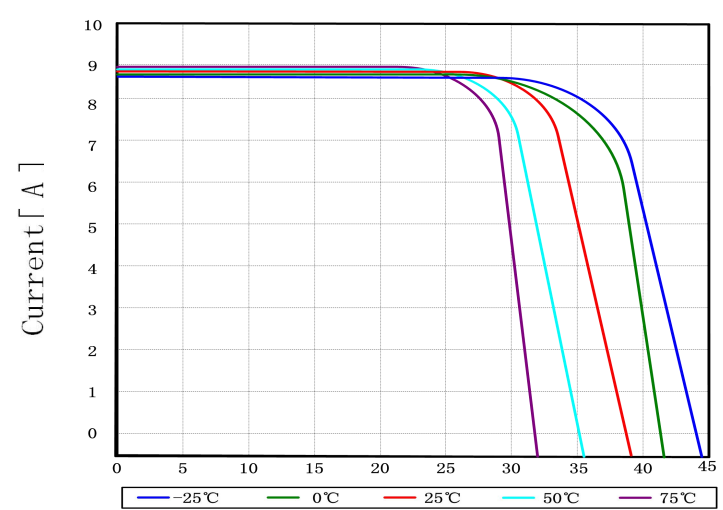
Chubb



## CURRENT-VOLTAGE CURVES



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



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

ESPSC TYPE	STC	NOCT
Power Class	300	220
Max. Power Voltage (V <sub>mpp</sub> )	32.86	29.50
Max. power Current (I <sub>mpp</sub> )	9.13	7.46
Open Circuit Voltage (V <sub>oc</sub> )	40.99	36.60
Short Circuit Current (I <sub>sc</sub> )	9.63	7.81
Module Efficiency	18.4%	

- \* 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%

