

Monocrystalline 285W (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	
Back-Foil	FEVE / PET / FEVE	
Junction Box		
Cable	4mm ² 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%	

CHARACTERISTICS

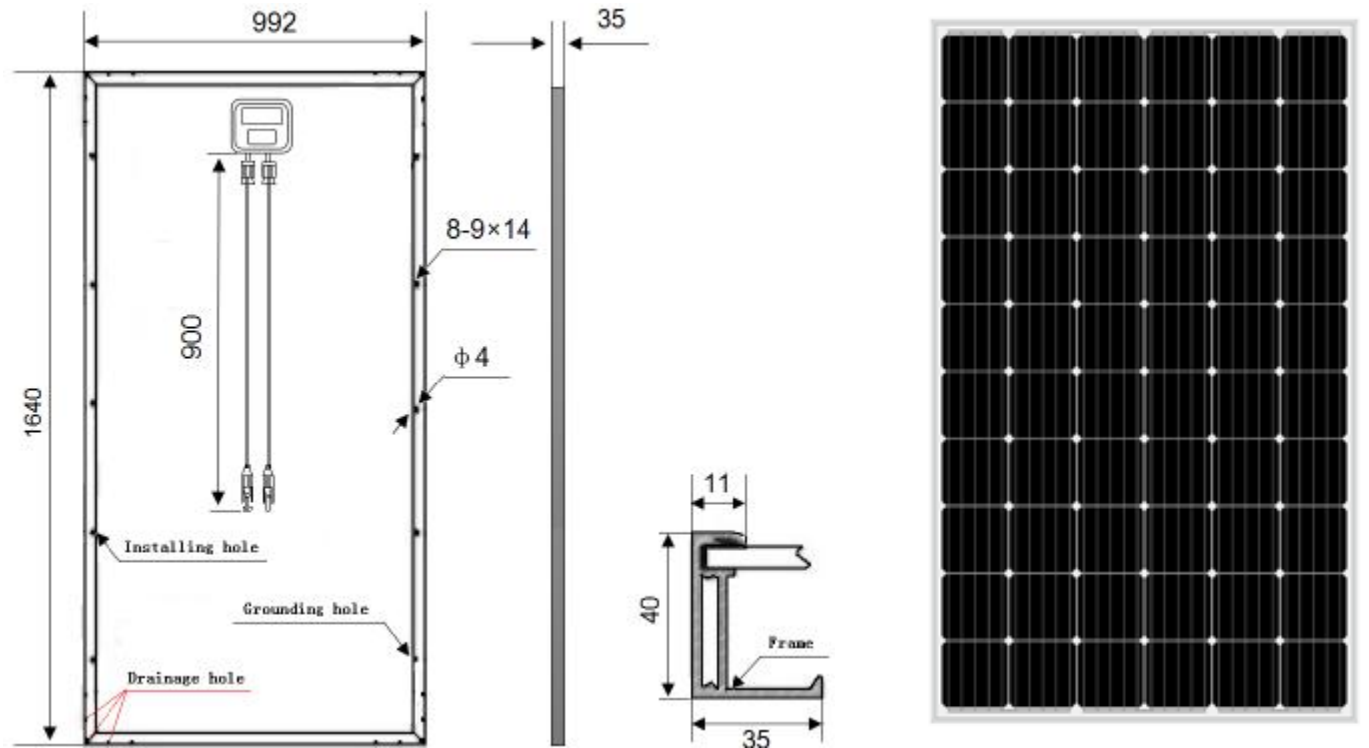
Max.System Voltage	1000V/DC
Temperature-Coefficient I _{sc}	+0.02973%° K
Temperature-Coefficient V _{oc}	-0.38038%° K
Temperature-Coefficient P _{mpp}	-0.57402%° K
NOCT***	45°C

CERTIFICATES

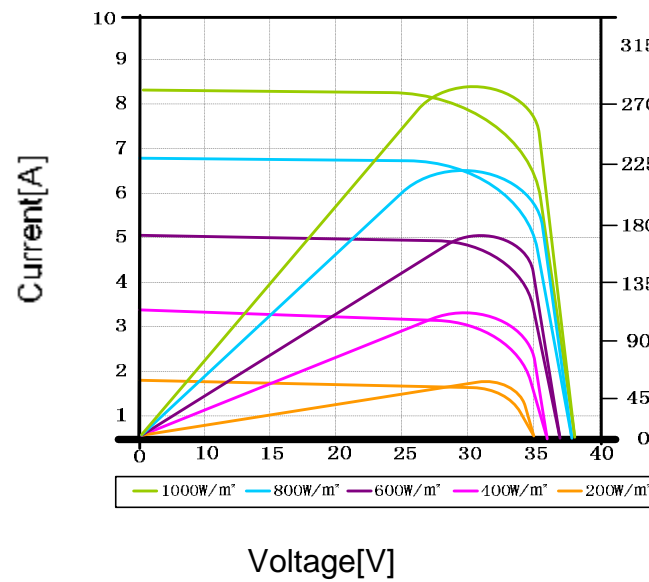
IEC 61215
IEC 61730
CE IEC

INSURANCE

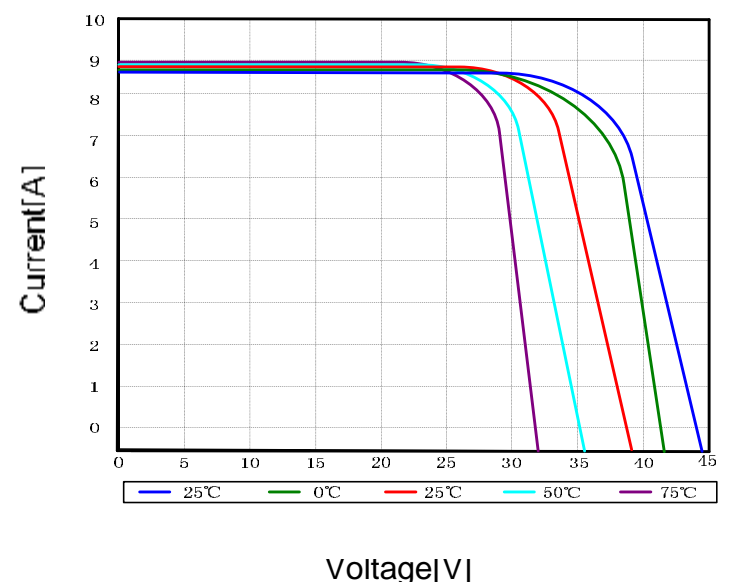
Chubb



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/m²).

ESPSC TYPE	STC	NOCT
Power Class	285	209
Max.Power Voltage(V _{mpp})	31.74	28.79
Max.power Current(I _{mpp})	8.97	7.26
Open Circuit Voltage(V _{oc})	40.10	36.11
Short Circuit Current(I _{sc})	9.35	7.57
Module Efficiency	17.50%	

- * Mpp: Maximum Power Point
- ** STC (Standard Test Conditions): 1000W/m², 25°C, AM 1.5
- *** Normal Operating Cell Temperature
- **** Grade A Cell
- ***** Warranty: 25 years ; Power 10 year 90% ; Guarantee 20 years 80%

