



BS-275P-295P-60

BRITISH SOLAR

Polycrystalline module

Characteristics

System Voltage:

The maximum voltage is promoted to 1500V and the module strings are extended by 50% which reduces the overall system BOS.

A Wide Range of Products:

Polycrystalline module with power 275W-340W, depending on configurations. Guaranteed positive tolerance from 0-3% ensures power output reliability.

High Reliability:

Guaranteed mechanical resistance to severe weather conditions for reliable power output. Compliant with IEC 61215 and IEC 61730.

Traceability:

Flash report and embedded bar code ID for each module for complete traceability.

Low-light Performance:

Advanced glass and surface texturing ensure excellent performance in low-light environments.

Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV NORD.

A Wide Range of Applications:

Independent systems (households, power supplies for remote areas, remotesystems) and grid-connected photovoltaic power stations (residential, commercial, industrial power supply systems).



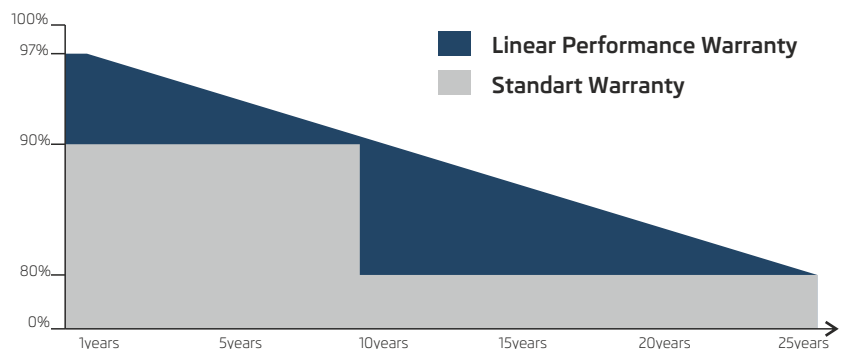
12 years limited product warranty
First year guarantee no less than 97% power output
25 years guarantee no less than 80% power output

Certification



Photon
LABORATORY

Warranty



First Year Output | $\geq 97\%$

2-24 Year Decline | $\leq 0.7\%$

25 Year Output | $\geq 80\%$

BS-275P-295P-60



ELECTRICAL CHARACTERISTICS AT STC

MODELS	BS-275P-60	BS-280P-60	BS-285P-60	BS-290P-60	BS-295P-60
Nominal Power (Pmax), W	275	280	285	290	295
Open Circuit Voltage (Voc), V	38,1	38,3	38,4	38,6	38,8
Short Circuit Current (Isc), A	9,37	9,45	9,54	9,62	9,69
Voltage at Nominal Power (Vmp), V	31,3	31,4	31,5	31,6	31,8
Current at Nominal Power (Imp), A	8,81	8,94	9,06	9,18	9,29
Module Efficiency (%)	16,9%	17,3%	17,6%	17,9%	18,2%
NOMINAL MODULE	Power Temperature Coefficient:-0.40%/K				
OPERATING TEMPERATURE	Open-Circuit Voltage Temperature Coefficient:-0.32%/K				
(NMOT):43 ± 2°C	Short-Circuit Current Temperature Coefficient: 0.05 %/K				

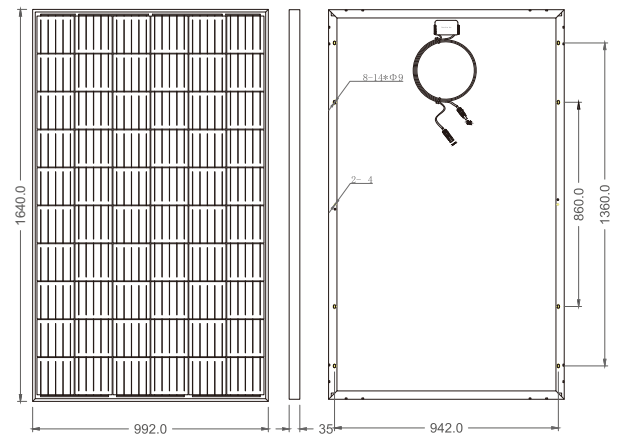
MAXIMUM RATINGS MECHANICAL PARAMETERS:

Operating Temperature	-40~+85°C
Maximum Storage Temperature	-20~+40°C
Class of Protection	Class II
Maximum System Voltage	TUV 1500V/1000V DC
Maximum Overcurrent Protection Rating	15A

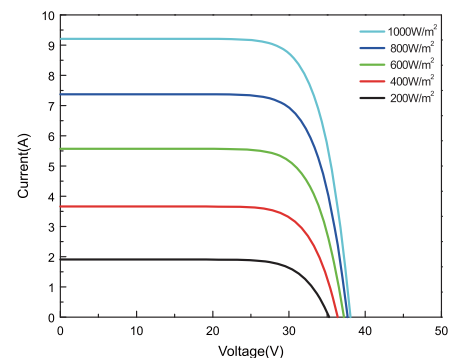
MECHANICAL PARAMETERS:

Cell Type	156.75×156.75mm polycrystalline
Cell Configuration	60 (6×10) PCS in series
Dimension	1640x992x35mm
Weight	18.5kg
Front Glass	3.2mm, high transmission, low iron, tempered glass
Junction Box	IP67 Rated
Cabels	4.0mm ² ,length:900mm
Frame	Anodized aluminium-alloy

DIMENSIONS FOR PV MODULE:



I-V CURVES OF PV MODULE:



PACKAGE:

40HQ: 28 pallets, each pallet 30pcs, total 840pcs