



► **Solar Panels with World Class Quality and Performance**

► **Manufactured with the Leading Edge Technology Imported from the United States**

► **Main Specifications:**

- Nominal power output above 60 watts (P_{max})
- Panel size exceeds 1 square meter : 787 cm X 1397 cm
- TÜV and UL Norms



• IEC Compliance :



IEC 61646: Thin-film terrestrial photovoltaic (PV) modules - design qualification and type approval
 IEC 61730: Photovoltaic module safety qualification (Safety Class II)

- Guaranteed 90% of specified min Power for 10 years, 80% for 20 years
- 2 Years guarantee on the product

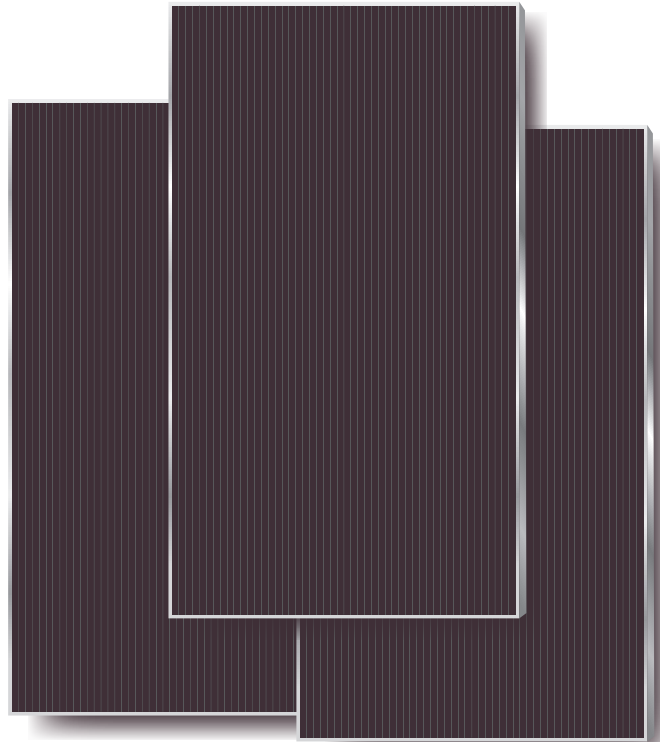
► **Proven Manufacturing Quality and Capability**

- Since 1993
- ISO Certified Factory

► **Global Standards for Esthetics and Ease of**

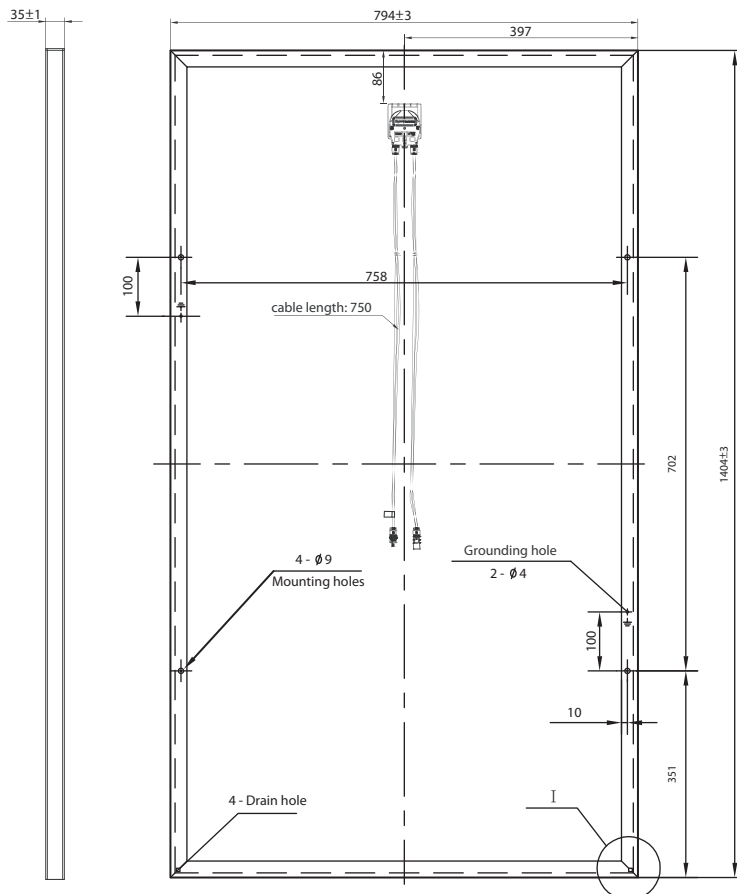
Installations

- Anodized optional Aluminum frame
- Pre-installed connectors
- Integrated bypass diodes



Product Code:
QS60DGF (Framed)
QS60DGU (Unframed)

Unit: mm



Technical Datasheet

Electrical Data

The electrical specifications shown below are stabilized values measured at Standard Report Conditions: 1000W/m² irradiance, AM1.5 spectrum at 25 degrees °C, while Voc or Isc can be customized.

Specifications	Unit	Stabilized Values	Initial Values from Stock
Nominal Power (P_{max})	W	60	Approx. 70.6
Open Circuit Voltage (V_{oc})	V	77.0	Approx. 79.0
Short Circuit Current (I_{sc})	A	1.30	Approx. 1.34
Voltage at Pmax (V_{pm})	V	60.0	Approx. 64.2
Current at Pmax (I_{pm})	A	1.00	Approx. 1.10
Max. System Voltage	V	1000	
Dimensions	mm	(1404±3.0) x (794±3.0)	
Thickness	mm	35±1 (framed) 30±2 (unframed)	
Weight	kg	19.4 (framed) 17.4 (unframed)	

The rated power may vary by ±5% and all other electrical parameters by ±10%.

Product guarantee

2 years.

Warranty on output

90% of the specified minimum output of the module for a 10-year period, 80% of the specified minimum output of the module for a 20-year period after shipment from QS Solar.

Temperature coefficients

Power	- 0.19 %/K
Open-circuit voltage	- 0.28 %/K
Short-circuit current	+ 0.09 %/K

Limits

System voltage	1000 VDC
Maximum reverse current	3 A
Operating module temperature	-40°C to +85°C
Typical operation temperature	approx. 20°C to 25°C

Qualifications

According to IEC 61646, IEC61730. CE conformity . TÜV and UL testing are pending.