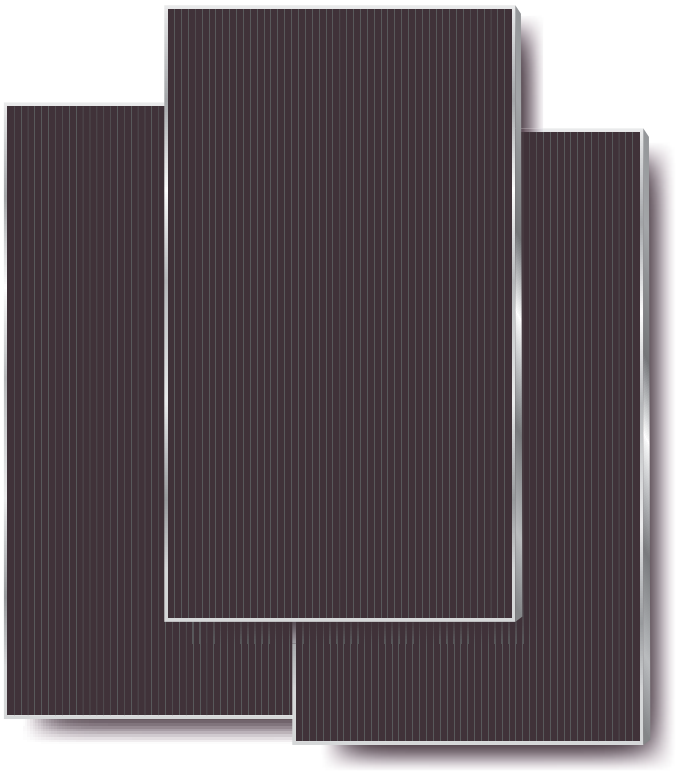
QS Solar
Powering Your Future

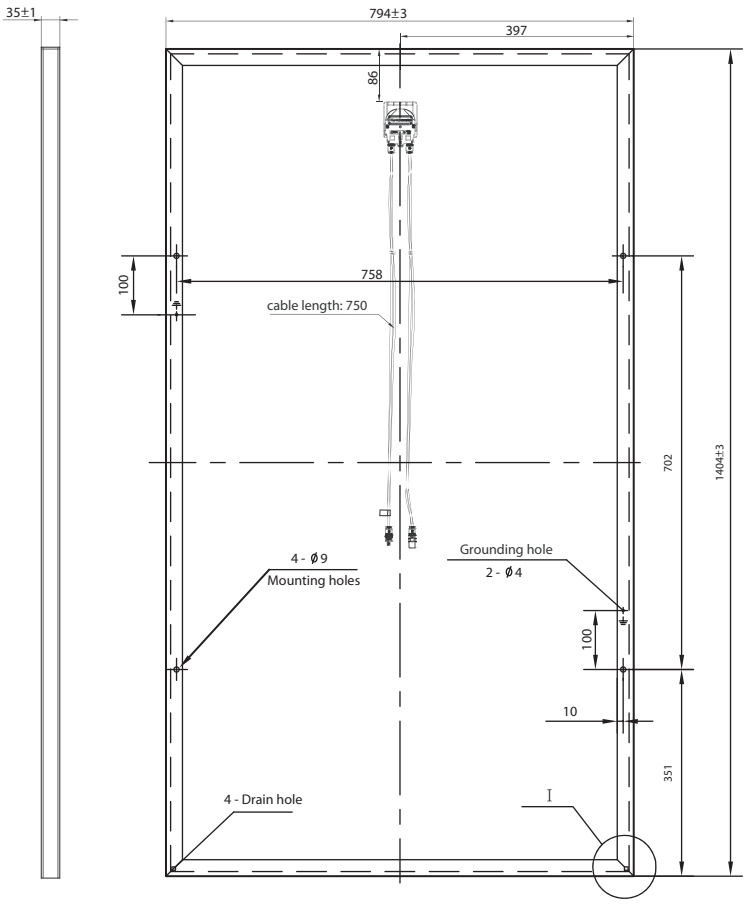
- **Solar Panels with World Class Quality and Performance**
- **Manufactured with Leading Edge Technology Imported from the United States**
- **Main Specifications:**
  - Nominal power output above 55 watts (P_{max})
  - Panel size exceeds 1 square meter : 787 mm X 1397 mm
  - TüV and UL Norms
  - IEC 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 25 years
  - 5 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:
QS55DGF (Framed)
QS55DGU (Unframed)

Unit: mm



QS Solar
www.qssolar.com

Technical Datasheet

Electrical Data

The electrical specifications shown below are stabilized values measured at Standard Report Conditions:1000W/m^2 irradiance, AM1.5 spectrum at 25 degrees℃, while Voc or Isc can be customized.

Specifications	Unit	Stabilized Values	Initial Values from Stock
Nominal Power (P_{max})	W	55	Approx. 64.8
Open Circuit Voltage (V_{oc})	V	74.1	Approx. 76.0
Short Circuit Current (I_{sc})	A	1.23	Approx. 1.27
Voltage at Pmax (V_{pm})	V	58.6	Approx. 62.3
Current at Pmax (I_{pm})	A	0.94	Approx. 1.04
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

5 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 25-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℃ to +85℃
Typical operation temperature	approx. 20℃ to 25℃

Qualifications

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

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