

# COSSIS | QS Solar Thin-film ASi modul

- ▶ 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 55 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
- 3 Years guarantee on the product

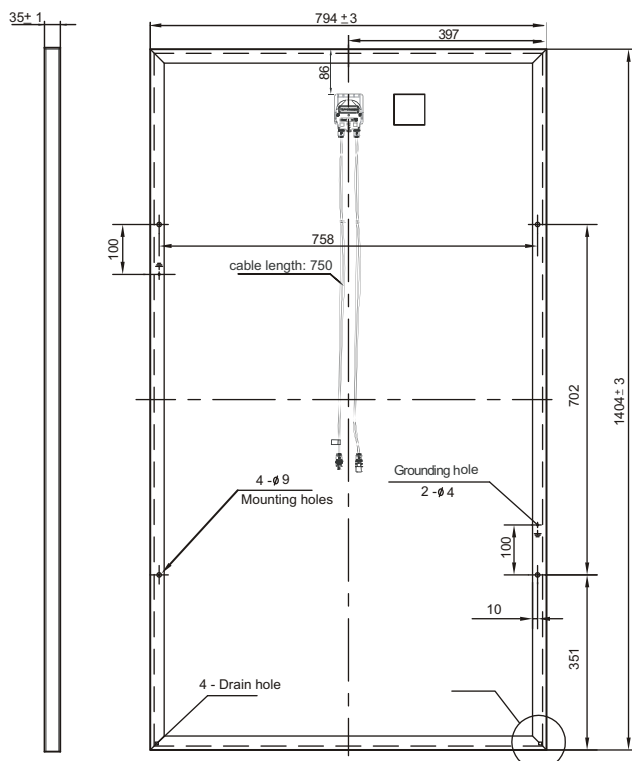
## ▶ Proven Manufacturing Quality and Capability

- Since 1993
- ISO Certified Factory

## ▶ Global Standards for Esthetics and Ease of Installations

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

Unit: mm



**Product Code:**  
QS55DGF (Framed)  
QS55DGU (Unframed)

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New: Available with FPE junction box for even better module performance.



## Electrical Data

The electrical specifications shown below are stabilized values measured at Standard Report Conditions: 1000W/m<sup>2</sup> 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 <sub>max</sub> )	W	60	Approx. 64.8
Open Circuit Voltage (V <sub>oc</sub> )	V	74.1	Approx. 76.0
Short Circuit Current (I <sub>sc</sub> )	A	1.23	Approx. 1.27
Voltage at Pmax (V <sub>pm</sub> )	V	58.6	Approx. 62.3
Current at Pmax (I <sub>pm</sub> )	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

3 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		Limits	
Power	- 0.19 %/K	System voltage	1000 VDC
Open-circuit voltage	- 0.28 %/K	Maximum reverse current	3 A
Short-circuit current	+ 0.09 %/K	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 .TuV and UL testing are pending.