

## GETWATT S-Series

The **GETWATT** S-series thin-film solar module is the cost-effective solar modules installable in any site.

**GETWATT** S-series realized high performance, high quality, manufacturing process for the large module using advanced PECVD (plasma-enhanced chemical vapour deposition), and key propriety technology for mass production of thin-film silicon solar modules.

The **GETWATT** S-series thin-film module is designed from a frame to a junction box for cost-effective system integration.



Junction box, PV-cable, Connector is certified by **TÜV**  
Junction potting, Back sheet, Frame sealing is certified by **UL**

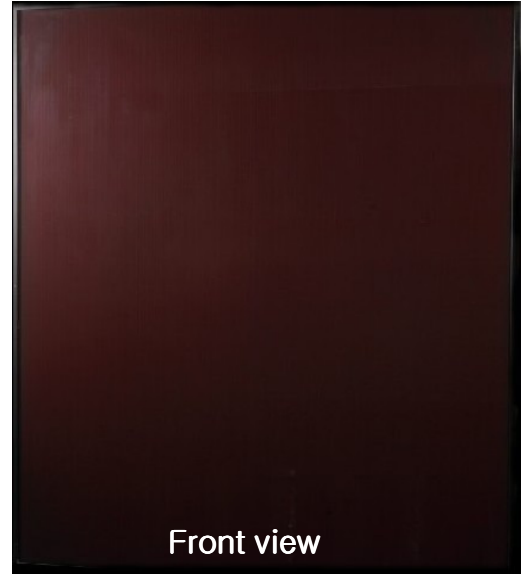
### Certificates

- Korean Thin-Film PV module Certification
- ISO 9001, ISO 14001
- IEC Certification
- CE Certification

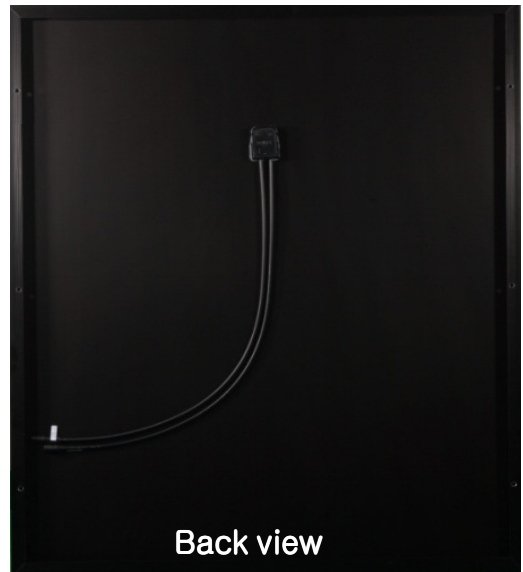
### Limited warranty

- Limited product warranty
  - 5 year repair and replacement
- Limited power output warranty
  - 25 years (90%/10years, 80%/25years)

## S100E



Front view



Back view



### Mechanical characteristics

|           |                         |
|-----------|-------------------------|
| Dimension | 1311 mm(L) x 1111 mm(W) |
| Thickness | 46 mm                   |
| Weight    | 19 kg                   |

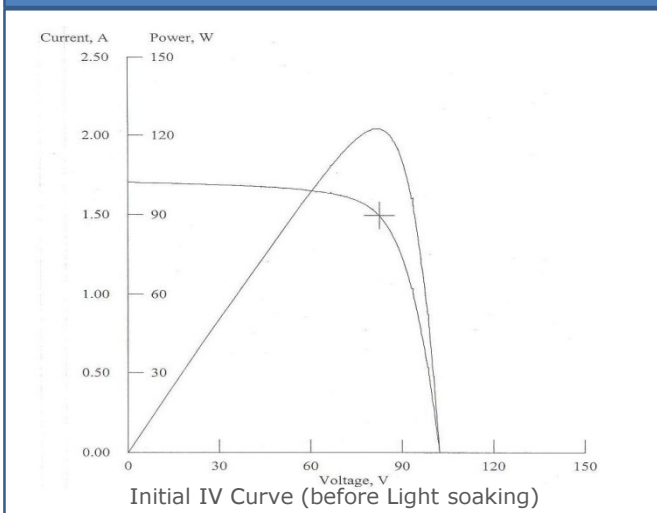
### Electrical characteristics

|                             |              |
|-----------------------------|--------------|
| Maximum power (Pmax)        | 100 W        |
| Open circuit voltage (Voc)  | 96 V         |
| Short circuit current (Isc) | 1.7 A        |
| Maximum power voltage (Vpm) | 70 V         |
| Maximum power current (Ipm) | 1.43 A       |
| Maximum system voltage      | 1000 V       |
| Diode                       | Bypass diode |

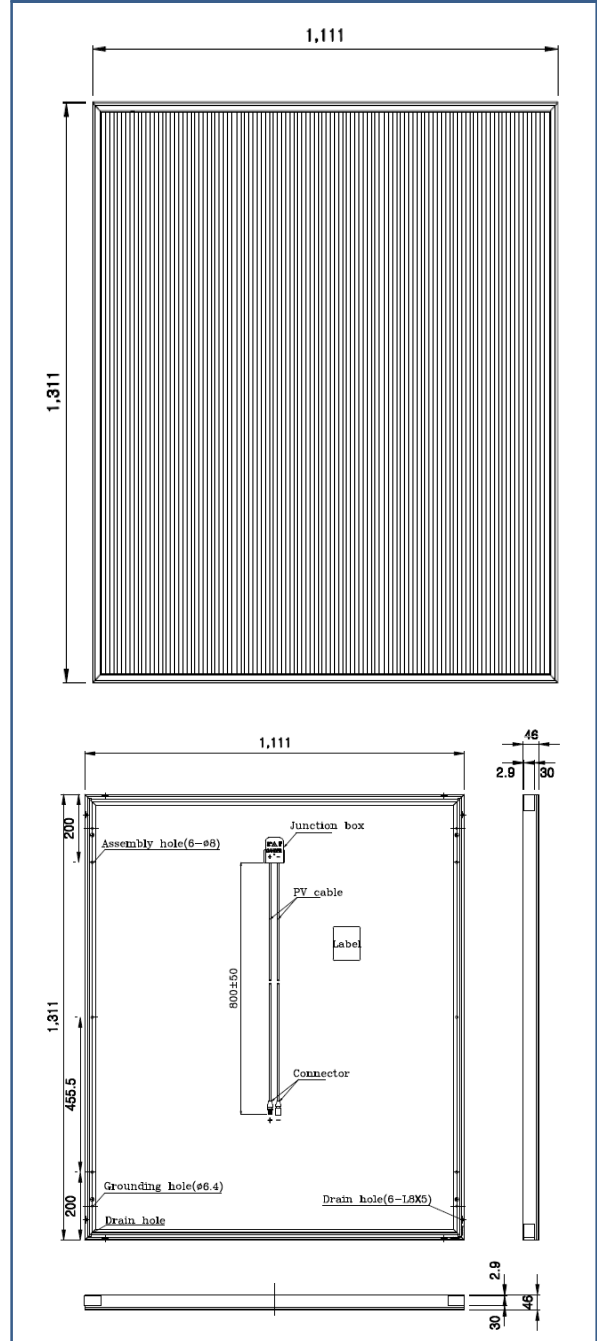
### Temperature coefficients

| Model                       | S100E     |
|-----------------------------|-----------|
| Open circuit voltage (Voc)  | -0.31%/°C |
| Short circuit current (Isc) | +0.07%/°C |
| Maximum power voltage (Vpm) | -0.32%/°C |
| Maximum power current (Ipm) | +0.14%/°C |
| Maximum power (Pmax) *      | -0.20%/°C |

### IV Curve



### Dimension



### Testing condition

Maximum power is measured under STC(1000 W/m<sup>2</sup>, AM 1.5, 25°C)

Light soaking test condition:

- Module temperature 48°C
- Irradiance 1,000 W/m<sup>2</sup>