

# 255 - 270 Poly



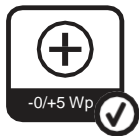
## Datasheet



Made in Turkey



TÜV Certified



Positive Power Tolerance



25 year linear performance warranty,  
10 years product warranty



### Superior Quality

A modern German production line with fully automated stringing and lamination area, unceasingly monitoring of every single step of the process. World leading companies as our raw material suppliers gives us the confidence to our name our products as World-class

It offers the highest quality and highest efficiency modules on the market. As we are aware of excellence, it always comes in search of perfection. We see our customers as life expectancy business partners.

25 years linear performance guarantee and 10 years product warranty. It guarantees a performance reduction of a maximum of 0.7% during

25 years is a significant added value compared to two-phase guarantees that are common in the industry. 25 years product warranty.

# 255 - 270 Poly



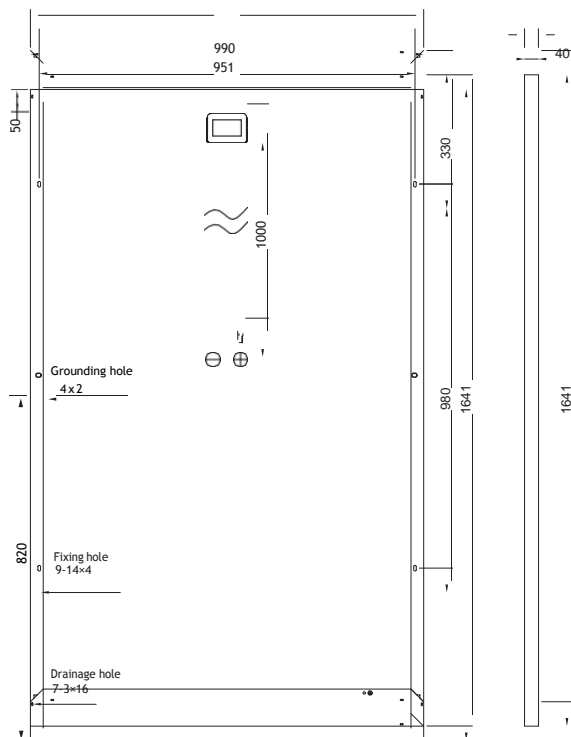
|                       |           | GSE 255 PP | GSE 260 PP | GSE 265 PP | GSE 270 PP |
|-----------------------|-----------|------------|------------|------------|------------|
| Max. Power            | $P_{max}$ | 255 Wp     | 260 Wp     | 265 Wp     | 270 Wp     |
| Open Circuit Voltage  | $U_{oc}$  | 37.8 V     | 38.1 V     | 38.6 V     | 38.8 V     |
| Mpp Voltage           | $U_{mpp}$ | 31.0 V     | 31.1 V     | 31.2 V     | 31.3 V     |
| Short Circuit Current | $I_{sc}$  | 8.69 A     | 8.76 A     | 9.02 A     | 9.21 A     |
| Mpp Current           | $I_{mpp}$ | 8.24 A     | 8.34 A     | 8.53 A     | 8.63 A     |
| Efficiency            | $\eta_m$  | 15.70 %    | 16.00 %    | 16.31 %    | 16.62 %    |

\*STC: 1000W/m<sup>2</sup>, 25°C, AM 1.5

## PERFORMANCE@800W/m<sup>2</sup>, NOCT, AM 1.5

|                       |           | 188.6 Wp | 192.4 Wp | 196.1 Wp | 199.8 Wp |
|-----------------------|-----------|----------|----------|----------|----------|
| Max. Power            | $P_{max}$ | 188.6 Wp | 192.4 Wp | 196.1 Wp | 199.8 Wp |
| Open Circuit Voltage  | $U_{oc}$  | 34.3 V   | 34.5 V   | 34.7 V   | 34.9 V   |
| Mpp Voltage           | $U_{mpp}$ | 28.2 V   | 28.3 V   | 28.4 V   | 28.5 V   |
| Short Circuit Current | $I_{sc}$  | 7.06 A   | 7.17 A   | 7.27 A   | 7.37 A   |
| Mpp Current           | $I_{mpp}$ | 6.69 A   | 6.80 A   | 6.91 A   | 7.01 A   |

Under partial load conditions efficiency may differ.



Dimensions in mm.

## Component Materials

|                 |                         |
|-----------------|-------------------------|
| Number of Cells | 60                      |
| Cell type       | Polycrystalline         |
| Cell size       | 156 mm x 156 mm         |
| Front           | Low-iron Tempered Glass |
| Back            | Film, White             |
| Frame           | Anodized Aluminium      |
| J-Box           | IP65 - IP67             |
| Connector       | MC4 Comp.               |

## Dimensions/Weight

|        |         |
|--------|---------|
| Length | 1641 mm |
| Width  | 990 mm  |
| Height | 40 mm   |
| Weight | 17.2 kg |

## Thermal Characteristics

|           |           |
|-----------|-----------|
| NOTC      | 46 °C     |
| $I_{sc}$  | 0.073 %/K |
| $U_{oc}$  | -0.31 %/K |
| $P_{mpp}$ | -0.43 %/K |

## Optimal System Integration Parameters

|                             |                             |
|-----------------------------|-----------------------------|
| Power sorting               | -0 Wp / +5 Wp               |
| Maximum system voltage      | 1000 V                      |
| Maximum reverse current     | 25 A                        |
| Load / Dynamic load         | 5.4 / 2.4 kN/m <sup>2</sup> |
| Number of diodes            | 3                           |
| Operating temperature range | from -40°C to +85°C         |

