



**GermanSolar**  
The Partner For Your Solar Lifetime!®



# Powerline Plus Poly 72-Cell Solar Panel

GSP6-72 330W 335W 340W 345W 350W

GermanSolar designs and manufactures customized solar panels with options in size, power,color, and appearance (shape and depth, etc.), for a seamless integration with the building structures or facades our clients plan to solarize. GermanSolar specializes in customization, introducing colored solar cells, frames and back-sheet material and shapes to express your ideas of how aesthetics and application will work best together. With innovative technology and design, GermanSolar offers high quality modules with enhanced aesthetic appearance for building structures and facades. GermanSolar's high efficiency modules are fully certified by TÜV, UL, and MCS, and are made with only grade A materials and state-of-the-art manufacturing technology. With German engineering, GermanSolar panels are designed and built to achieve the highest possible performance, maximize energy production, and ensure long-lasting durability throughout the lifetime of your solar system. By providing outstanding customization options, GermanSolar supports your required project needs with colored and shaped panels of your choice, and consults with you in choosing the right size, thickness, shape, and color to compliment the design of your application and your building.

## FEATURES



Best price-performance ratio



Fully automated production line with German quality engineering and design standards



Withstands wind loads up to 2400Pa/heavy snow loads up to 5400Pa



Positive power of up to 4.99 Wp



Better performance in diffused sunlight and high temperature



12-year limited product warranty



EL tested and micro cracks inspected



High ammonia & salt mist resistant certified, and PID-free



25-year linear performance warranty

## PRODUCT CERTIFICATES



# Powerline Plus

| Electrical Data, STC *      | GSP6-72  |       |       |       |       |
|-----------------------------|----------|-------|-------|-------|-------|
| Nominal Max. Power (Pmax)   | 330W     | 335W  | 340W  | 345W  | 350W  |
| Open Circuit Voltage (Voc)  | 46.80    | 47.09 | 47.45 | 47.66 | 47.95 |
| Short Circuit Current (Isc) | 9.08     | 9.12  | 9.18  | 9.21  | 9.26  |
| Max. Power Voltage (Vmpp)   | 39.02    | 39.24 | 39.60 | 39.82 | 40.25 |
| Max. Power Current (Impp)   | 8.52     | 8.56  | 8.62  | 8.66  | 8.75  |
| Module Efficiency           | 16.99    | 17.23 | 17.47 | 17.75 | 18.10 |
| Power Tolerance             | '0 ~ +5W |       |       |       |       |

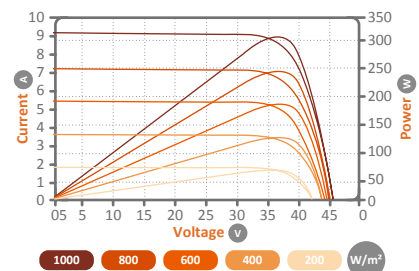
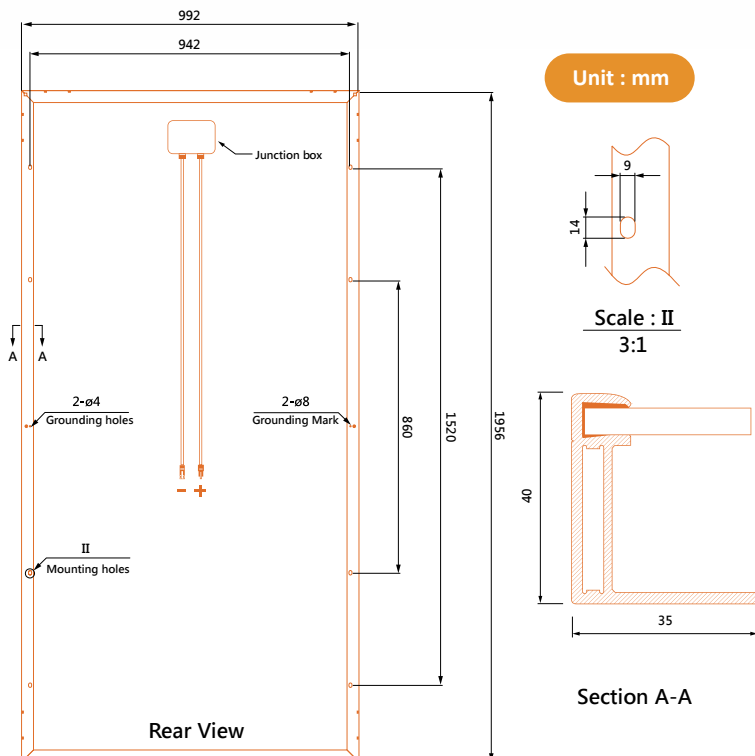
\* Standard Test Conditions (STC): Irradiance of 1000 W/m<sup>2</sup>, Spectrum AM 1.5 and Cell Temperature of 25°C.

| Temperature                          |              |
|--------------------------------------|--------------|
| Nominal Operating Cell Temperature * | 45°C ± 2°C   |
| Temperature Coefficient (Pmax)       | -0.41% / °C  |
| Temperature Coefficient (Isc)        | +0.058% / °C |
| Temperature Coefficient (Voc)        | -0.33% / °C  |

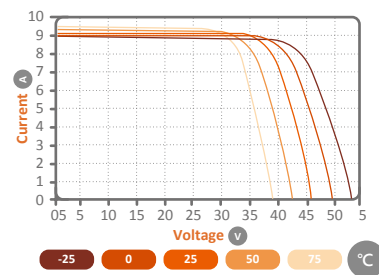
\* Nominal Operating Cell Temperature (NOCT): Irradiance of 800 W/m<sup>2</sup>, Ambient temperature of 20°C, Wind Speed of 1 m/s.

| Mechanical Data |  |
|-----------------|--|
| Dimensions      | 1956 x 992 x 40 mm                         |
| Weight          | 23 kg                                      |
| Solar Cell      | 156.75*156.75mm Polycrystalline            |
| Front Cover     | 3.2mm tempered glass with AR coating       |
| Frame           | Anodized aluminum alloy, original or black |
| Junction Box    | IP65, 3 diodes                             |
| Cable           | 4.0 mm <sup>2</sup> , 1000 mm              |
| Connector       | MC4 or MC4 compatible                      |
| Packaging       | 26 pcs /pallet, 672 pcs /40' HQ container  |

| Operating Conditions       |              |
|----------------------------|--------------|
| Max. System Voltage        | DC 1000V     |
| Operating Temperature      | -40°C~ +85°C |
| Max. Series Fuse Rating    | 15A          |
| Mechanical Load            | 5400 Pa      |
| Application Classification | Class A      |
| Module Fire Performance    | Class C      |



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Specifications in this datasheet are subject to change without prior notice.