

# DATA SPECIFICATION SHEET



## RPSG-100W-PE POLYCRYSTALLINE PHOTOVOLTAIC MODULE



### PRODUCT OVERVIEW

- R&P SERVICES GROUP's modules are optimally manufactured and adjusted to meet the needs of the current market; scientifically designed module dimension makes the installation simple and easy.
- Our continuous efforts in quality assurance system and certifications the international authentication institutions of R&P SERVICES GROUP's products demonstrate our commitment to to product quality and customer requirements.

### MODULE CHARACTERISTICS

- High efficiency crystalline silicon solar cells.
- High transmission low iron tempered glass, strong mechanical resistance.
- Standard waterproof junction box, with bypass diode.
- High endurance to different atrocious weather.
- Custom designed modules according to clients' requirement.

### MECHANICAL PARAMETERS

Cell(mm) Poly 156×156

Weight(kg) 8

Dimensions(LxWxH)(mm) 1010×676×35

Cable Length(mm) ≥900

Cable cross section size(mm<sup>2</sup>) 4

No. of cells and connections 36 (9×4)

No. of diodes 2

Packing configuration 2pcs/carton

### WORKING CONDITIONS

Maximum System Voltage DC 1000V

Operating Temp. -40°C~+85°C

Maximum Series Fuse (A) 10

Static loading ≥2400Pa

Grounding conductivity ≤0.1Ω

NOCT 45±2°C

Application Class Class A

Insulation Resistance ≥100MΩ

### GUARANTEE

10-year limited product warranty.

Limited performance warranty: 10 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power out

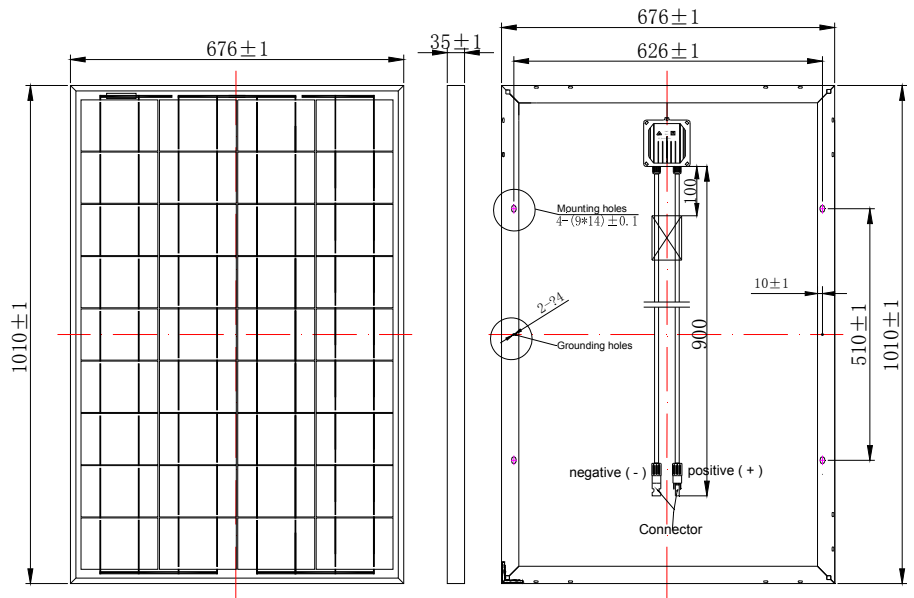
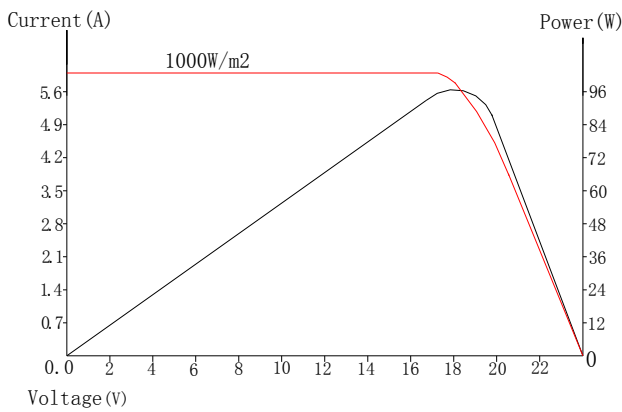
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ELECTRICAL PARAMETERS	
TYPE	RPSG-100W-PE
Pmax(w)	100
(Voc/V)	21.9
(Vmp/V)	17.9
(Isc/A)	6.03
(Imp/A)	5.59
Power Tolerance	±3%
$\alpha$ Isc	+0.04%/°C
$\beta$ Voc	-0.3%/°C
$\gamma$ Pmp	-0.44%/°C
STC	AM1.5, 1000W/m <sup>2</sup> , 25°C

### I-V CURVE



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