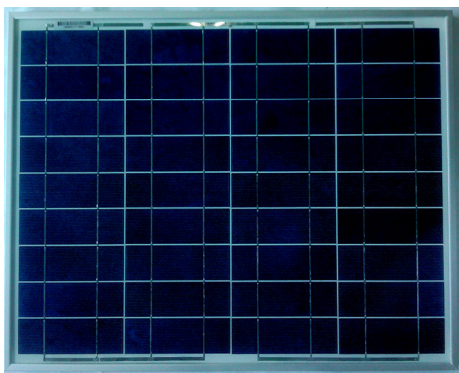


DATA SPECIFICATION SHEET



RPSG-50W-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) 4

Dimensions(LxWxH)(mm) 670×540×30

Cable Length(mm) ≥500

Cable cross section size(mm²) 2.5

No. of cells and connections 36 (9×4)

No. of diodes 2

Packing configuration 5pcs/carton

WORKING CONDITIONS

Maximum System Voltage DC 1000V

Operating Temp. -40℃~+85℃

Maximum Series Fuse (A) 10

Static loading ≥2400Pa

Grounding conductivity ≤0.1Ω

NOCT 45±2℃

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

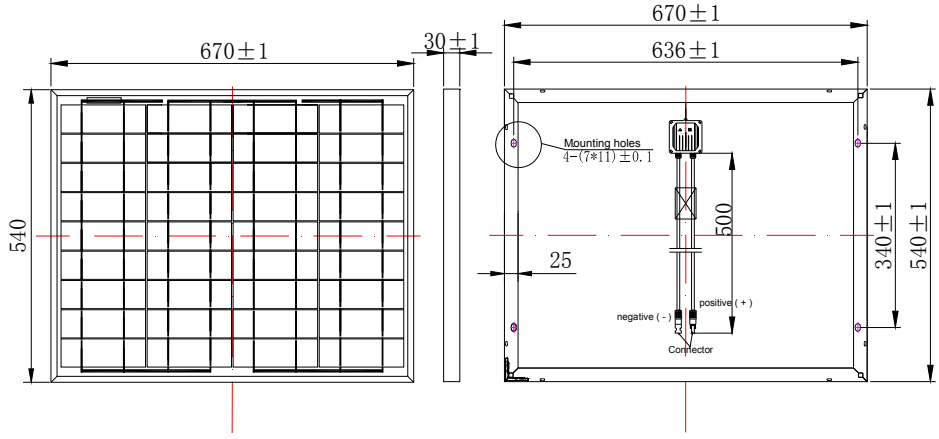
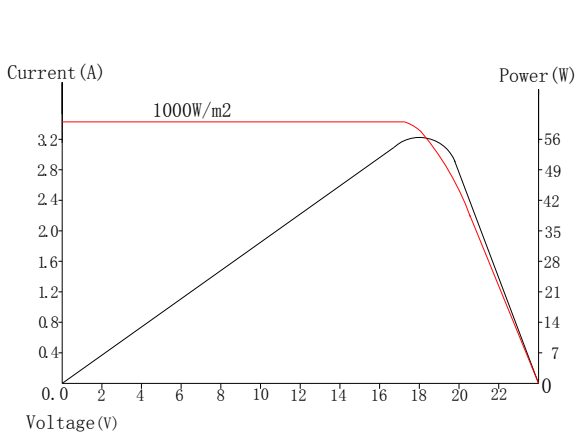
DATA SPECIFICATION SHEET



RPSG-50W-PE POLYCRYSTALLINE PHOTOVOLTAIC MODULE

ELECTRICAL PARAMETERS	
TYPE	RPSG-50W-PE
Pmax(w)	50
(Voc/V)	21.11
(Vmp/V)	17.22
(Isc/A)	3.21
(Imp/A)	2.91
Power Tolerance	±3%
α Isc	+0.04%/°C
β Voc	-0.3%/°C
γ Pmp	-0.44%/°C
STC	AM1.5, 1000W/m ² , 25°C

I-V CURVE



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