

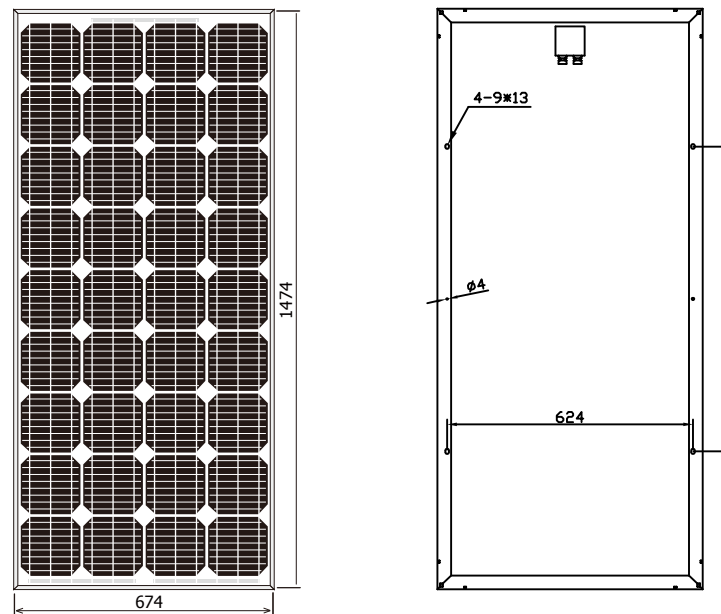
# TECHNICAL DATA SHEET

## SM636-150



### Technical Data

Type	SM636-150
Type of Solar Cell	Mono-crystalline, 156mm×156mm
Number of Cells	36 pcs
Size of module	1482×676×35mm ( 156×156mm cell)
Module, Weight	12 kg
Connector / Cross-Section	Cixi Renhe
Cables, Length (+/-)	Customizable
Front Cover Glass	Safety Glass
Front Cover Glass, Thickness	3.2 mm
Frame	Anodized Aluminium



### Electrical Data

Maximum Power	$P_{MPP\ STC}$	150 W
Power Tolerance	$\Delta_{STC}$	+2%
Maximum Power Voltage	$U_{MPP\ STC}$	18.1 V
Maximum Power Current	$I_{MPP\ STC}$	8.42 A
Open Circuit Voltage	$U_{OC\ STC}$	22.6 V
Short Circuit Current	$I_{SC\ STC}$	8.88 A
Cell Efficiency	$\eta_{STC}$	15.5 %
Maximum System Voltage	$U_{DC}$	1000 V

STC: Irradiance 1000 W/m<sup>2</sup>; Spectrum AM 1,5; Cell Temperature 25°C, Wind 0 m/s

### Temperature Coefficients

Power Coefficient	$\alpha_k (P_{MPP})$	- 0.50 ± 0.05 %/K
Voltage Coefficient	$\beta_k (U_{OC})$	- 0.35 ± 0.01 %/K
Current Coefficient	$\phi_k (I_{SC})$	0.06 ± 0.01 %/K

### Power Warranty

- 10 years performance warranty to 90 %
- 25 years performance warranty to 80 %
- 5 years warranty against production and material defects

### Certifications

IEC 61215, IEC 61730 ,TUV, CE, ISO9001:2000

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