

# TECHNICAL DATA SHEET

## PS50M、PS55M、PS60M



### Technical Data

Type	PS50M、PS55M、PS60M
Type of Solar Cell	Mono-crystalline, 125mm×125mm
Number of Cells	72 pcs ( 41.7×125)
Size of module	820×550×30mm ( 125×125mm cell)
Module, Weight	5.5 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	$P_{MPP\ STC}$	50 W	55 W	60 W
Power Tolerance	$\Delta_{STC}$	± 2%	± 2%	± 2%
Maximum Power Voltage	$U_{MPP\ STC}$	17.0 V	17.2 V	18.0 V
Maximum Power Current	$I_{MPP\ STC}$	2.94 A	3.20 A	3.33 A
Open Circuit Voltage	$U_{OC\ STC}$	21.25 V	21.5 V	22.5 V
Short Circuit Current	$I_{SC\ STC}$	3.14 A	3.41 A	3.55 A
Cell Efficiency	$\eta_{STC}$	14%	15.4%	16.8%
Maximum System Voltage	$U_{DC}$	700 V	700 V	700 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	$\alpha_k (P_{MPP})$	- 0.45 %/K
Voltage Coefficient	$\beta_k (U_{OC})$	- 0.35 %/K
Current Coefficient	$\phi_k (I_{SC})$	0.065±0.015 %/K

### Power Warranty

10 years performance warranty to 90 %

25 years performance warranty to 80 %

5 years warranty against production and material defects

### Engineering Drawing

