

# TECHNICAL DATA SHEET

## PS290M、PS300M



### Technical Data

Type	PS290M、PS300M
Type of Solar Cell	Mono-crystalline, 156mm×156mm
Number of Cells	72 pcs
Size of module	1956×992×50mm ( 156×156mm cell)
Module, Weight	26 kg
Connector / Cross-Section	Cixi Renhe
Cables, Length (+/-)	900 mm
Front Cover Glass	Safety Glass
Front Cover Glass, Thickness	3.2 mm
Frame	Anodized Aluminium

### Electrical Data

Maximum Power	$P_{MPP\ STC}$	290 W	300 W
Power Tolerance	$\Delta_{STC}$	± 2%	± 2%
Maximum Power Voltage	$U_{MPP\ STC}$	36.0 V	36.0 V
Maximum Power Current	$I_{MPP\ STC}$	8.06 A	8.33 A
Open Circuit Voltage	$U_{OC\ STC}$	44.8 V	44.8 V
Short Circuit Current	$I_{SC\ STC}$	8.52 A	8.81 A
Cell Efficiency	$\eta_{STC}$	16.87 %	17.41 %
Maximum System Voltage	$U_{DC}$	1000V	1000V

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

### Certifications

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

