

TECHNICAL DATA SHEET

PS185M、PS190M



Technical Data

Type	PS185M、PS190M
Type of Solar Cell	Mono-crystalline, 125mm×125mm
Number of Cells	72 pcs
Size of module	1580×808×35mm (125×125mm cell)
Module, Weight	15 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	$P_{MPP\ STC}$	185 W	190 W
Power Tolerance	Δ_{STC}	±2%	±2%
Maximum Power Voltage	$U_{MPP\ STC}$	35.4 V	35.6 V
Maximum Power Current	$I_{MPP\ STC}$	5.23 A	5.34 A
Open Circuit Voltage	$U_{OC\ STC}$	44.0 V	44.2 V
Short Circuit Current	$I_{SC\ STC}$	5.61 A	5.77 A
Cell Efficiency	η_{STC}	17.3 %	17.7 %
Maximum System Voltage	U_{DC}	1000V	1000V

STC: Irradiance 1000 W/m²; 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

