

TECHNICAL DATA SHEET

PS20M



Technical Data

Type	PS20M
Type of Solar Cell	Mono-crystalline, 125mm×125mm
Number of Cells	36 pcs (31.25×125)
Size of module	650×296×25mm (125×125mm cell)
Module, Weight	2.5 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	$P_{MPP\ STC}$	20 W
Power Tolerance	Δ_{STC}	± 2%
Maximum Power Voltage	$U_{MPP\ STC}$	17.2 V
Maximum Power Current	$I_{MPP\ STC}$	1.16 A
Open Circuit Voltage	$U_{OC\ STC}$	21.4 V
Short Circuit Current	$I_{SC\ STC}$	1.25 A
Cell Efficiency	η_{STC}	14.9 %
Maximum System Voltage	U_{DC}	700 V

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

Engineering Drawing

