

TECHNICAL DATA SHEET

PS35M、PS40M、PS45M



Technical Data

Type	PS35M、PS40M、PS45M
Type of Solar Cell	Mono-crystalline, 125mm×125mm
Number of Cells	36 pcs (62.5×125)
Size of module	632×550×30mm (125×125mm cell)
Module, Weight	4.5 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	$P_{MPP\ STC}$	35 W	40 W	45 W
Power Tolerance	Δ_{STC}	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$
Maximum Power Voltage	$U_{MPP\ STC}$	17.0 V	17.2 V	18.0 V
Maximum Power Current	$I_{MPP\ STC}$	2.06 A	2.33 A	2.50 A
Open Circuit Voltage	$U_{OC\ STC}$	21.2 V	21.4 V	22.4 V
Short Circuit Current	$I_{SC\ STC}$	2.29 A	2.50 A	2.65 A
Cell Efficiency	η_{STC}	13.1%	14.9%	16.8%
Maximum System Voltage	U_{DC}	700 V	700 V	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

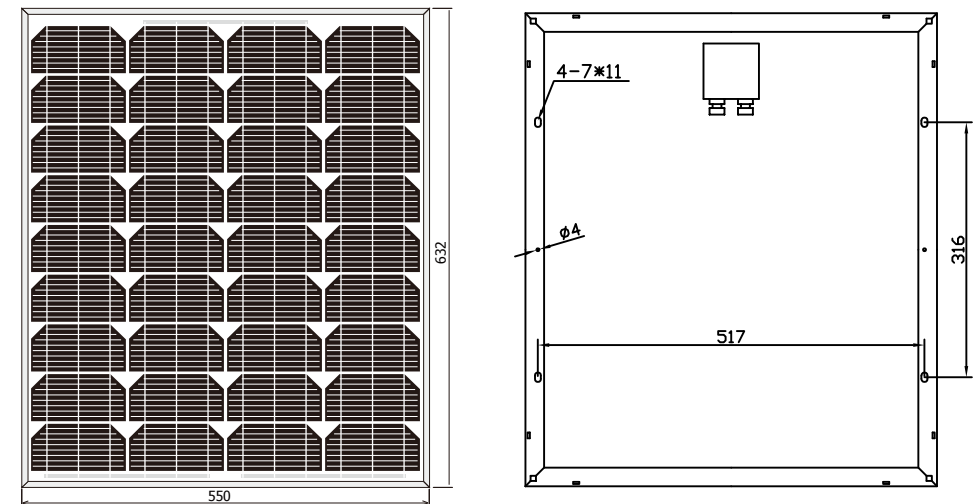
Power Warranty

10 years performance warranty to 90 %

25 years performance warranty to 80 %

5 years warranty against production and material defects

Engineering Drawing



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