

SOLAR PANEL

TECHNICAL SPECIFICATION

Cell Type	Number of cells	Dimensions (A-B-C)	Weights	Front Glass	Frame	Junction Box	Connector	Output Cables
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185W/190W/195W/200W Mono Crystalline Photovoltaic Module

Mono crystalline 125×125 mm (5 inches)	72 (6×12)	1581×809×35 mm	13kg	3.2 mm Low iron tempered glass	Anodized aluminum	IP 65, with bypass diodes	MC4 compatible	TÜV, length 900mm, 4.0mm ²
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230W/235W/240W/245W/250W Poly Crystalline Photovoltaic Module

Poly crystalline 156×156 mm (6 inches)	60 (6×10)	1640×992×40 mm	18.6kg	3.2 mm Low iron tempered glass	Anodized aluminum	IP 65, with bypass diodes	MC4 compatible	TÜV, length 900mm, 4.0mm ²
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285W/290W/295W/300W Mono Crystalline Photovoltaic Module

Poly crystalline 156×156 mm (6 inches)	72 (6×12)	1956×992×50 mm	23kg	3.2 mm Low iron tempered glass	Anodized aluminum	IP 65, with bypass diodes	MC4 compatible	TÜV, length 900mm, 4.0mm ²
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Module

P/N																Maximum Power at STC (Pmax)															
100W	120W	185W	190W	195W	200W	230W	235W	240W	245W	250W	285W	290W	295W	300W	100W	120W	185W	190W	195W	200W	230W	235W	240W	245W	250W	285W	290W	295W	300W		
Short Circuit Current (Isc)																															
6.45	7.58	5.77A	5.71A	5.65A	5.60A	8.69A	8.62A	8.52A	8.39A	8.80A	285W	290W	295W	300W	6.45	7.58	5.77A	5.71A	5.65A	5.60A	8.69A	8.62A	8.52A	8.39A	8.80A	285W	290W	295W	300W		
Open Circuit Voltage (Voc)																															
22.30	21.60	45.40V	45.00V	44.90V	44.60V	36.60V	36.80V	36.90V	37.10V	37.20V	8.57A	8.61A	8.68A	8.71A	22.30	21.60	45.40V	45.00V	44.90V	44.60V	36.60V	36.80V	36.90V	37.10V	37.20V	8.57A	8.61A	8.68A	8.71A		
Maximum Power Current (Impp)																															
5.81A	6.82A	5.40A	5.36A	5.28A	5.20A	7.80A	7.92A	8.06A	8.14A	8.6A	44.60V	44.70V	45.00V	45.20V	5.81A	6.82A	5.40A	5.36A	5.28A	5.20A	7.80A	7.92A	8.06A	8.14A	8.6A	44.60V	44.70V	45.00V	45.20V		
Maximum Power Voltage (Vmpp)																															
17.2V	17.6V	35.00V	35.40V	36.00V	35.60V	29.50V	29.70V	29.80V	30.10V	30.30V	8.05A	8.15A	8.24A	8.30A	17.2V	17.6V	35.00V	35.40V	36.00V	35.60V	29.50V	29.70V	29.80V	30.10V	30.30V	8.05A	8.15A	8.24A	8.30A		
Encapsulated Cell Efficiency																															
18.90%	18.52%	18.70%	17.60%	17.20%	16.70%	15.75%	16.09%	16.44%	16.78%	17.12%	16.35%	16.64%	16.93%	17.21%	18.90%	18.52%	18.70%	17.60%	17.20%	16.70%	15.75%	16.09%	16.44%	16.78%	17.12%	16.35%	16.64%	16.93%	17.21%		
Module Efficiency																															
16.08%	15.80%	15.60%	15.20%	14.90%	14.50%	14.14%	14.44%	14.75%	15.06%	15.37%	14.66%	14.92%	15.17%	15.43%	16.08%	15.80%	15.60%	15.20%	14.90%	14.50%	14.14%	14.44%	14.75%	15.06%	15.37%	14.66%	14.92%	15.17%	15.43%		
Power Tolerance																															
0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%		