



RICH SOLAR 20W Polycrystalline Solar Module

Peak Power - Pmax	20W
Model Name	RS-P20
Maximum Power Voltage - Vmp (V)	17.5
Maximum Power Current - Imp (A)	1.15
Open Circuit Voltage - Voc (V)	21.7
Short Circuit Current - Isc (A)	1.27
Dimension (mm)	560 x 350 x 28
Net Weight (kg)	2.6
Module Efficiency - η_m	10.2%
Power Tolerance	$\pm 5\%$
Cell Type	156 x 26mm cut high efficiency polycrystalline silicon solar cell
Number of Cells	36pcs (2 x 18)
Glass	High transmission, low iron, tempered glass 3.2mm
Frame	Anodized aluminum alloy
Junction Box	IP65, 1000 VDC, TUV certified
Temperature Coefficient of Pmax	- 0.45%/°C
Temperature Coefficient of Voc	- 0.35%/°C
Temperature Coefficient of Isc	0.05%/°C
Maximum System Voltage - Vmax	1000 VDC
Operating Temperature	-40°C ~ +85°C
Nominal Operating Cell Temperature	45 \pm 2%/°C
Surface Maximum Load Capacity	60m/s (200kg/sq.m)
Allowable Hail Load	Steel ball falls down from 1M height
Container Loading Capacity	1928pcs/20ft container

Note: All electrical parameters are rated at standard test conditions - STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

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Specifications included in this datasheet are subject to change without notice.