



Sinopuren Energy Group Ltd

Moulde (SL90CE-18M) Specifications

ITEM NO. :	SL90CE-18M		
Maximum Power (W)	90	80	70
Optimum Operating Voltage (Vmp)	17.57	17.57	17.57
Optimum Operating Current (Imp)	5.12	4.55	3.98
Open Circuit Voltage (Voc)	21.60	21.60	21.60
Short Circuit Current (Isc)	5.48	4.87	4.26
Solar Cell:	125*125 Mono		
Number of Cell (pcs)	4*9		
Brand Name of Solar Cells	OEM		
Size of Module (mm)	1200*550*40		
Cable & Connector Type	Pass the TUV Certificate		
Frame (Material Corners, etc.)	Aluminium-alloy		
Backing (Brand Type)	TPT		
Cell Efficiency for 280W (%)	16%		
Weight Per piece (KG)	9.7		
FF (%)	70-76%		
Junction Box Type	Pass the TUV Certificate		
Tolerance Wattage (e.g. +/-5%)	±5%		
Front Glass Thickness (mm)	3.20		
Temperature Coefficients of Isc (%) °C	+0.04		
Temperature Coefficients of Voc (%) °C	-0.38		
Temperature Coefficients of Pm (%) °C	-0.47		
Temperature Coefficients of Im (%) °C	+0.04		
Temperature Coefficients of Vm (%) °C	-0.38		
Temperature Range	-40°C to +85°C		
Surface Maximum Load Capacity	2400 Pa		
Allowable Hail Load	23m/s, 7.53g		
Bypass Diode Rating (A)	12		
Warranty	90% of 10 years, 80% of 25 years.		
Standard Test Conditions	AM1.5 1000W/ m ² 25+/-2°C		
Packing			
1*20'	24 Pallets / 648 pcs		
1*40'HQ	54 Pallets / 1458 pcs		

