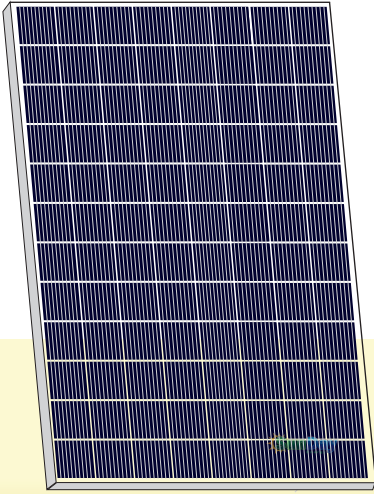


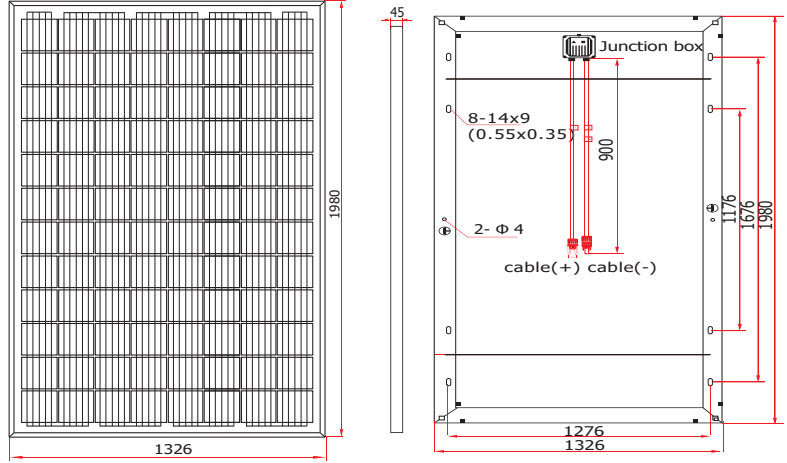
9BB CELLS

MONOCRYSTALLINE MODULES 510W - 550W



SOLAR MODULE:
SDM510-96 SDM520-96, SDM530-96
SDM540-96 SDM550-96

PHYSICAL CHARACTERISTICS Unit:mm (inch)



ELECTRICAL SPECIFICATIONS

Model Type	SDM510-96	SDM520-96	SDM530-96	SDM540-96	SDM550-96
Nominal Maximum Power (Pmax)	510W	520W	530W	540W	550W
Optimum Operating Voltage (Vmp)	48.64V	48.75V	48.86V	48.95V	49.05V
Optimum Operating Current (Imp)	10.49A	10.67A	10.85A	11.04A	11.21A
Open Circuit Voltage (Voc)	59.19V	59.31V	59.46V	59.54V	59.62V
Short Circuit Current (Isc)	10.91A	11.09A	11.28A	11.46A	11.68A
Module Efficiency	19.43%	19.80%	20.19%	20.57%	20.95%
Cell Efficiency	20.5%	20.5%	20.5%	21%	21.5%
Power Tolerance			0 to +3%		
Maximum System Voltage			DC 1500V		
Operating Temperature			-40°C ~ +85°C		
Maximum Series Fuse Rating			20A		
Number of Bypass Diode			4		

MECHANICAL DATA

Cell Type	158.75mm x 158.75mm
Cell Arrangement	96 cells in series
Dimensions	1980 x 1326 x 45 mm (With bar fixed in the middle)
Weight	28kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP65/IP67, 6 diodes
Cable	4mm (IEC) / 12AWG (UL), 900mm (650mm is optional)
Connectors	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.420% / °C
Temperature Coefficient (Voc)	-0.336% / °C
Temperature Coefficient (Isc)	0.042% / °C
Nominal Operating Cell Temperature	45.3 ± 2 °C

ELECTRICAL CHARACTERISTICS

(SDM550-96)

Current-Voltage Characteristic (I-V Curve)

