

Electrical

STC	SMF175M-4X09UW	SMF100S-4X09UW	SMF090S-4X08UW
Maximum Power (P _{max})	175	100	90
Maximum Power Voltage (V _{mp})	19.5	18.9	16.7
Maximum Power Current (I _{mp})	8.98	5.29	5.38
Open-circuit Voltage (V _{oc})	23.9	22.5	21.1
Short-circuit Current (I _{sc})	9.50	5.75	5.64
Module Efficiency (%)	17.3	15.0	15.1
Operating Temperature (°C)	-40°C to 85 °C		
Maximum System Voltage	600 V DC (IEC)		
Maximum Series Fuse Rating	20 A		
Application Class	Class A		
Power Tolerance	0/+5 W		

STC: Irradiance 1000W/m², Cell temperature 25°C, AM=1.5.

Mechanical Characteristics

Product	SMF175M-4X09UW	SMF100S-4X09UW	SMF090S-4X08UW
Solar Cell	Mono (6 inches)	Mono (5 inches)	Mono (5 inches)
No. of Cells	36 (4×09)	36 (4×09)	32 (4×08)
Module Dimensions	1504×673×2 mm	1219×546×2 mm	1092×546×2 mm
Weight	3.0kgs	1.9 kgs	1.7 kgs
Backsheet	White		
J-box	IP 68 rated (each j-box have one bypass diodes)		
Output Cables	Photovoltaic technology cable 4.0 mm ² , (+)150 / (-)450 mm		
Connector	MC4 compatible		



CAUTION: Read installation manual before using the product.

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