

12 v Boating, Caravan
and Camping Applications

Ultra-light
Flexible
Thin
Aesthetics

5 YEAR
Warranty

Electrical

STC	SMF185M-4X09UW	SMF100S-4X09UW	SMF090S-4X08UW
Maximum Power (P_{max})	185	100	90
Maximum Power Voltage (V_{mp})	19.9	18.9	16.7
Maximum Power Current (I_{mp})	9.30	5.29	5.38
Open-circuit Voltage (V_{oc})	24.1	22.5	21.1
Short-circuit Current (I_{sc})	9.78	5.75	5.64
Module Efficiency (%)	17.4	15.0	15.1
Operating Temperature ($^{\circ}C$)	-40 $^{\circ}C$ to 85 $^{\circ}C$		
Maximum System Voltage	1000 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 $^{\circ}C$, AM=1.5.

Mechanical Characteristics

Product	SMF185M-4X09UW	SMF100S-4X09UW	SMF090S-4X08UW
Solar Cell	Mono (6 inches)	Mono (5 inches)	Mono (5 inches)
No. of Cells	36 (4x09)	36 (4x09)	32 (4x08)
Module Dimensions	1520x700x2 mm	1219x546x2 mm	1092x546x2 mm
Weight	3.5 kgs	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		