

SUNMAN

eArche®

12 v Boating , Caravan
and Camping Applications

High-efficiency
Customization
Ultra-light
Flexible
Aesthetics

5
YEAR

Warranty

Electrical Characteristics

STC	SMF175M-4X09U	SMF100S-4X09U	SMF090S-4X08U
Maximum Power (P _{max})	175	100	90
Maximum Power Voltage (V _{mp})	19.5	19.0	16.7
Maximum Power Current (I _{mp})	8.98	5.27	5.38
Open-circuit Voltage (V _{oc})	23.9	23.5	21.1
Short-circuit Current (I _{sc})	9.50	5.67	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-4X09U	SMF100S-4X09U	SMF090S-4X08U
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	3.0 kgs	1.8 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		

www.sunman-energy.com



SUNMAN
SOLAR SPECIALIST

eArche applied to caravan market
eArche applied to yacht applications
eArche applied to RV market
eArche applied to train



Facebook



Official Website



WeChat

CAUTION: Read installation manual before using the product.

© 2019 Sunman (Hong Kong) Limited. All rights reserved. Specifications included in this datasheet are subject to change without notice.

