

S4A410-108MH10

410W

108 Half Cell
10BB Mono Perc
Black Back Sheet



390W-410W



America's Solution for Quality, Performance, and Reliability.

Our products are manufactured locally in the US, under the highest quality standards.



10BB Half-Cut Cell Technology

Efficient circuit design, lower internal current, lower RS loss, GA doped wafer



Significantly Lower Risk of Hot Spot

Special circuit design with much lower hot spot temperature



Lower LCOE

2% more power generation

MODULE EFFICIENCY

21%

HIGH POWER OUTPUT

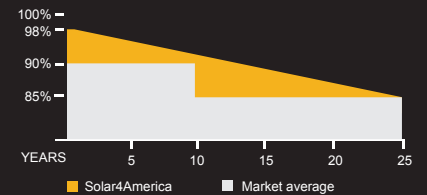
410W



UL61730
(Dec)

Linear Power WARRANTY

0.55% year 2-25 Annual Degradation



Solar4America Technology Inc. is headquartered and has module production facilities in Sacramento, California. Our S4A branded product line offers high quality, exceptional performance, and great value to our customers. Our state-of-the-art manufacturing facility uses industry-leading automated production equipment to optimize product performance and quality.

Solar4America Technology Inc.

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916-671-5606

*Subject to warranty terms and conditions

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Rev. 12/06/2022

ELECTRICAL PARAMETERS

Module Type	S4A390		S4A395		S4A400		S4A405		S4A410	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition										
Maximum Power - Pmax (W)	390	291	395	294	400	298	405	302	410	306
Maximum Power Voltage - Vmpp (V)	30.65	28.6	30.85	28.8	31.05	29.0	31.24	29.2	31.43	29.3
Maximum Power Current - Imp (A)	12.73	10.18	12.81	10.23	12.89	10.30	12.97	10.36	13.05	10.42
Open Circuit Voltage - Voc (V)	36.50	34.4	36.75	34.6	37.00	34.8	37.25	35.1	37.50	35.3
Short Circuit Current - Isc (A)	13.61	10.97	13.69	11.04	13.78	11.11	13.86	11.17	13.94	11.24
Module Efficiency	20.0%		20.2%		20.5%		20.7%		21%	

STC: irradiance 1,000 W/m²; Spectra at AM 1.5; module temperature 25°C. Power output tolerance: 0~+5W. Measuring tolerance of power: ±3%
 NMOT: irradiance 800 W/m²; Spectra at AM 1.5; Cell temperature 45°C; Ambient temperature 20°C. Wind speed 1m/s

TEMPERATURE CHARACTERISTICS

NMOT	43°C (±2°C)
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.26%/°C

MATERIAL CHARACTERISTICS

Dimensions	1722×1134×30mm (L×W×H)
Weight	21.5kg
Frame	Black anodized aluminum alloy
Glass	3.2 mm coated tempered glass
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Black

Solar Cells	108(6×18) monocrystalline (182mm×91mm)
Junction Box	IP68, 3 bypass diodes
Cable & Connector	Length 1400mm, 1x4mm ² / MC4 and MC4 Compatible

MAXIMUM RATINGS

Maximum System Voltage (V)	1500
Series Fuse Rating (A)	25

PACKAGING

Pallet Dimensions	1750x1110x1135mm
Pallet Quantity	31 Modules
Truck (53') Quantity	1116 Modules

SYSTEM DESIGN

Temperature Range	-40°C to +85°C
Mechanical Load Front	5,400 Pa
Mechanical Load Back	2,400 Pa
Safety Protection Class	Class II

