

S4A410-108MH10BB

410W

108 Half-cut
10BB Mono Perc
Black Back Sheet

385W-410W



America's Solar Module™

The best U.S.-built solar solution for quality, performance and reliability. S4A products are manufactured on American soil in accordance with 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%

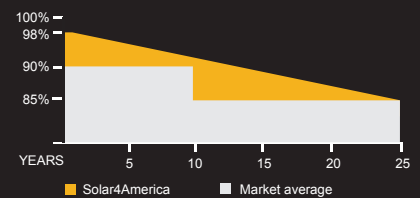


UL61730



Linear Power WARRANTY

0.55% year 2-25
Annual Degradation



Solar4America Technology Inc.

WEST COAST FACTORY —
4803 Urbani Ave. McClellan Park, CA 95652
EAST COAST FACTORY —
1160 Clipper Rd. Sumter, SC 29154

*Subject to warranty terms and conditions

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PVsales@solar4america.com



Solar4America Technology Inc. is headquartered in Sacramento, California with module production facilities in Sacramento and Sumter, SC and cell production facilities in Sumter. S4A products offer durability and exceptional performance to our customers at great value. Our state-of-the-art manufacturing facilities use industry-leading automated production equipment to optimize product performance and quality.

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108 Half-cut Cell | 10BB Mono Perc | Black Back Sheet

Rev.11/07/2023

ELECTRICAL PARAMETERS

Module Type	S4A385		S4A390		S4A395		S4A400		S4A405		S4A410	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition												
Maximum Power - Pmax (W)	385	287	390	291	395	294	400	298	405	302	410	306
Maximum Power Voltage - Vmpp (V)	30.45	28.4	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)	12.65	10.1	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)	36.25	34.2	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)	13.53	10.89	13.61	10.97	13.69	11.04	13.78	11.11	13.86	11.17	13.94	11.24
Module Efficiency	19.7%		20.0%		20.2%		20.5%		20.7%		21%	

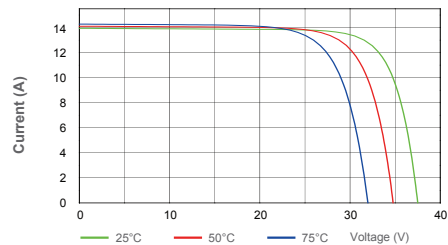
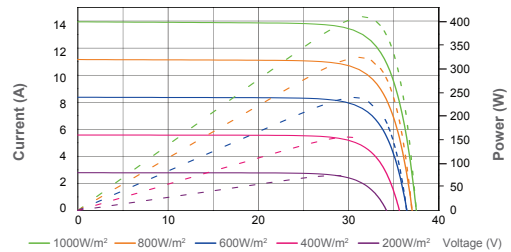
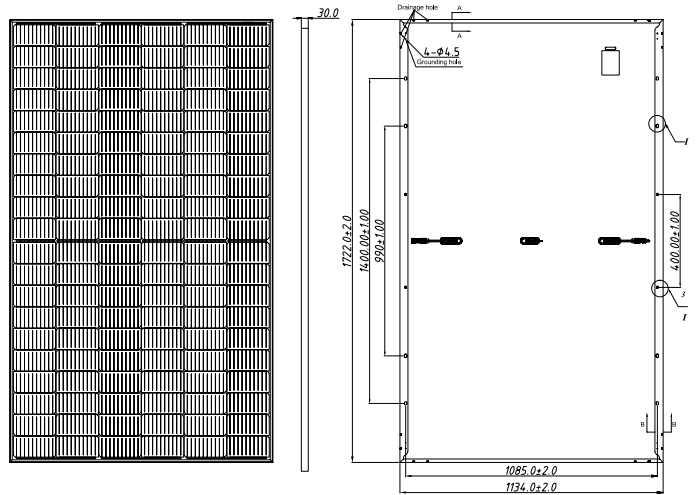
STC: irradiance 1,000 W/m²; Spectra at AM 1.5; module temperature 25°C. Power output tolerance: 0~+5W. Measuring tolerance of power: ±3%
 NMOT: irradiance 800 W/m²; Spectra at AM 1.5; Cell temperature 45°C; Ambient temperature 20°C. Wind speed 1m/s

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	67.8 x 44.65 x 1.18in (1722 x 1134 x 30mm)
Weight	46.3lbs (21kg)
Frame	Black anodized aluminum alloy
Glass	3.2mm anti-reflective coated tempered glass
Back Sheet	Black
Solar Cells	108(6 x 18) monocrystalline 182 x 91mm
Junction Box	IP68, 3 bypass diodes
Cable & Connector	Length 55.12in (1400mm), 1x4mm ² / MC4 and MC4 Compatible



MAXIMUM RATINGS

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

PACKAGING

Pallet Dimensions	70.08 x 45.67 x 49.61in (1780 x 1160 x 1260mm)
Pallet Quantity	36 Modules
Truck (53') Quantity	936 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
Module Fire Performance	Type 1