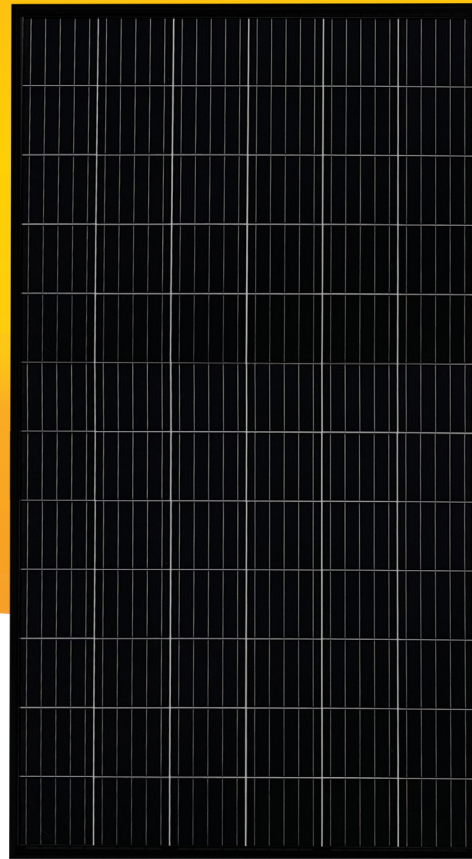


410W

72 Cell • Mono Perc • Black Frame •
Black/White Backsheet

375W-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.



World Class Mono Efficiency



Outstanding Temperature Coefficient



Minimize Micro-crack



Improved Shading Tolerance



Excellent Anti-PID Performance



Lower LCOE



Wind to 5400PA
Snow to 5400PA



Strong 40mm Frame



Hail Test at 45mm

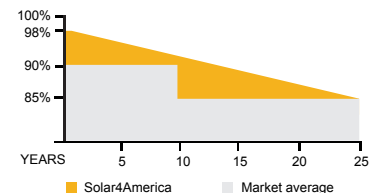
S4A410-72MH5BW

MODULE EFFICIENCY

20.64%

Linear Power
WARRANTY

0.55% year 2-25
Annual Degradation



UL 1703

UL 61730

UL 790



IEC 61730

IEC 61215

Intertek

Find our CEC listing under our parent company SolarJuice Technology

Notice: All data and specifications are preliminary and subject to change without notice.
*Subject to warranty terms and conditions

Solar4America Technology Inc.

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SOLAR4 AMERICA®

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.

ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS (STC)

Module Type	S4A410	S4A405	S4A400	S4A395	S4A390	S4A385	S4A380	S4A375
Maximum Power - Pmax (W)	410	405	400	395	390	385	380	375
Open Circuit Voltage - Voc (V)	49.1	48.9	48.7	48.6	48.4	48.2	48	47.8
Short Circuit Current - Isc (A)	10.61	10.54	10.47	10.37	10.3	10.22	10.15	10.07
Maximum Power Voltage - Vmpp (V)	40.9	40.7	40.5	40.4	40.2	40	39.8	39.6
Maximum Power Current - Imp (A)	10.03	9.96	9.89	9.78	9.72	9.64	9.56	9.48
Module Efficiency	20.64%	20.39%	20.14%	19.89%	19.64%	19.39%	19.13%	18.88%

STC: irradiance 1,000 W/m²; Spectra at AM1.5; module temperature 25°C. Power output tolerance: 0~+5W. Measuring tolerance of power: ±3%

ELECTRICAL CHARACTERISTICS AT NORMAL OPERATING CELL TEMPERATURE (NOCT)

Module Type	S4A410	S4A405	S4A400	S4A395	S4A390	S4A385	S4A380	S4A375
Maximum Power - Pmax (W)	303	299	296	292	288	285	281	278
Open Circuit Voltage - Voc (V)	45.1	45	44.8	44.6	44.4	44.3	44.2	44
Short Circuit Current - Isc (A)	8.5	8.43	8.37	8.31	8.25	8.19	8.12	8.06
Maximum Power Voltage - Vmpp (V)	37.8	37.6	37.4	37.2	37.1	36.8	36.8	36.6
Maximum Power Current - Imp (A)	8.02	7.96	7.9	7.85	7.78	7.73	7.65	7.58

NOCT: irradiance 800 W/m²; Spectra at AM1.5; Cell temperature 45°C; Ambient temperature 20°C. Wind speed 1m/s

TEMPERATURE CHARACTERISTICS

NOCT	45°C (±2°C)
Temperature Coefficient of Pmax	-0.423%/°C
Temperature Coefficient of Isc	+0.039%/°C
Temperature Coefficient of Voc	-0.307%/°C

MATERIAL CHARACTERISTICS

Dimensions	78.03 x 39.45 x 1.57in (1982 x 1002 x 40mm)
Weight	49.82lbs (22.6kg)
Frame	Black anodized aluminum profile
Glass	3.2mm anti-reflective coated tempered glass
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Backsheet	Black/White
Solar Cells	6 x 10 monocrystalline 6.25 x 6.25in (158.75 x 158.75mm)
Junction Box	Rated current ≥ 13A, IP ≥ 67, TUV&UL
Cable & Connector	Length 47.24in (1200mm), 1x4mm² MC4/PV-CO02/PV-GZX1500

MAXIMUM RATINGS

Maximum System Voltage (V)	1500
Series Fuse Rating (A)	20

PACKAGING

Pallet Dimensions	79.92 x 44.49 x 44.49in (2030 x 1130 x 1130mm)
Pallet Quantity	27 Modules
Truck (53') Quantity	810 Modules

SYSTEM DESIGN

Temperature Range	-40°C to +85°C
Mechanical Load Front	5,400 Pa
Mechanical Load Back	5,400 Pa
Module Fire Performance	Type 1

