

S4A410-72MH5BB

410W

Mono Perc Module
 All-Black

375W-410W




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

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

 World Class Mono Efficiency


 Outstanding Temperature Coefficient

 Minimize Micro-crack

 Improved Shading Tolerance

Anti PID Excellent Anti-PID Performance

 Certified for Salt/Ammonia Corrosion Resistance

 Wind and Snow Load Up to 5400PA

 Strong 40mm Frame

*Subject to warranty terms and conditions

Solar4America Technology Inc.

WEST COAST FACTORY —
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EAST COAST FACTORY —
1160 Clipper Rd. Sumter, SC 29154

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PVsales@solar4america.com

MODULE EFFICIENCY

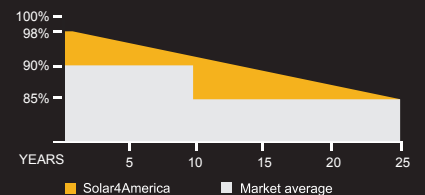
20.64%

HIGH POWER OUTPUT

410W



Linear Power
WARRANTY



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.

S4A410-72MH5BB

72 Cell | Mono Perc | All-Black

Rev. 03/16/2023

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	44.0
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	Toughened safety glass, 0.126in (3.2 mm)
Back Sheet	Composite film
Solar Cells	6 x 12 monocrystalline 158.75 x 158.75mm
Junction Box	Rated current ≥ 13A, IP ≥ 67, TUV&UL
Cable & Connector	Length 47.24in (1200mm), 1x4mm ² / MC4 and MC4 Compatible

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
Withstanding Hail	Maximum diameter of 25 mm with Impact speed of 23 m/s
Mechanical Load Front	5,400 Pa
Mechanical Load Back	2,400 Pa
Module Fire Performance	Type 1

