

S4A410-72MH5

410W

Mono Crystalline Module



America's Home for
Quality, Service, & Warranty

Our products are local, top-quality, and cost competitive
manufactured in *Sacramento, CA.*

World Class Mono Efficiency

Minimize Micro-crack

Anti
PID

Wind to 2400PA
Snow to 5400PA

Outstanding Temperature
Coefficient

Improved Shading Tolerance

Certified for Salt/Ammonia
Corrosion Resistance

Lower LCOE

SolarJuice Technology Inc.

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916-671-5606

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PVsales@solar4america.com

*Details refers to the warranty documents

MODULE EFFICIENCY

21.17%

HIGH POWER OUTPUT

410W



SolarJuice 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.

385W-410W

S4A410-72MH5

72 Cell | Mono Crystalline Module

ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS (STC)

Module Type	S4A410	S4A405	S4A400	S4A395	S4A390	S4A385
Maximum Power - Pmax (W)	410	405	400	395	390	385
Open Circuit Voltage - Voc (V)	49.1	48.9	48.7	48.6	48.4	48.2
Short Circuit Current - Isc (A)	10.61	10.54	10.47	10.37	10.3	10.22
Maximum Power Voltage - Vmpp (V)	40.9	40.7	40.5	40.4	40.2	40
Maximum Power Current - Imp (A)	10.03	9.96	9.89	9.78	9.72	9.64
Module Efficiency	21.17%	20.91%	20.66%	20.40%	20.14%	19.88%

Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1.5; module temperature 25°C. Tolerance of Pmp: 0~+3%.
Measuring uncertainty of power: ±3%.

ELECTRICAL CHARACTERISTICS AT NORMAL OPERATING CELL TEMPERATURE (NOCT)

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

Normal Operating Cell Temperature (NOCT) : irradiance 800W/m²; wind speed 1 m/s ; cell temperature 45 °C ; ambient temperature 20 °C .
Measuring uncertainty of power: ±3%.

TEMPERATURE CHARACTERISTICS

NOCT	45 °C (±2 °C)	Maximum System Voltage [V]	1500
Temperature Coefficient	-0.307%/K	Series Fuse Rating [A]	20
Current Temperature Coefficient	+0.039%/K		
Power Temperature Coefficient	-0.423%/K		

MAXIMUM RATINGS

MATERIAL CHARACTERISTICS

Dimensions	1982×1002×40mm (L×W×H)
Weight	22kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6×12 pieces monocrystalline solar cells series strings (158.75mm×158.75mm)
Junction Box	Rated current ≥ 13A, IP ≥ 67, TUV&UL
Cable & Connector	Length 1200 mm, 1×4 mm ² , compatible with MC4

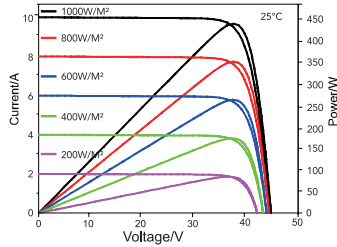
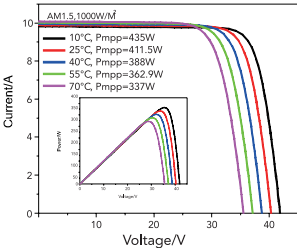
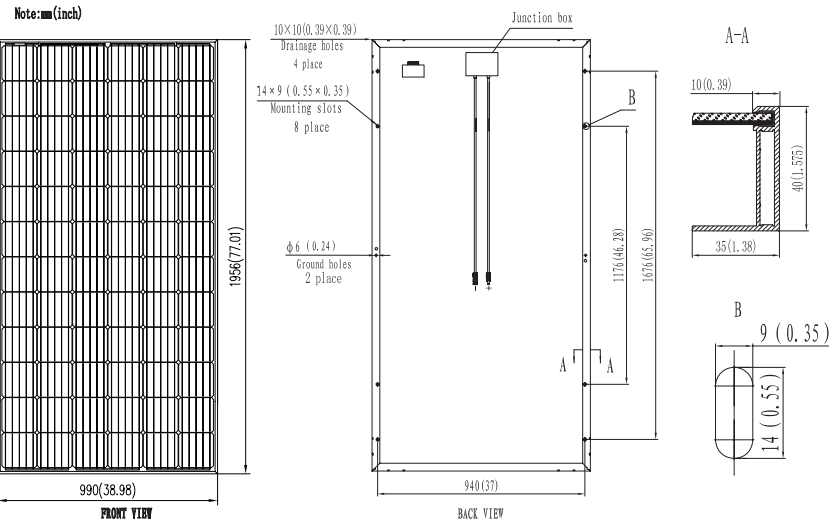
PACKAGING

Dimensions(L×W×H)	1980×1140×1120mm	Temperature Range	-40 °C to + 85 °C
Container 20'	270	Withstanding Hail	Maximum diameter of 25 mm with Impact speed of 23 m·s ⁻¹
Container 40'	810	Maximum Surface Load	5,400 Pa

SYSTEM DESIGN

Module Fire Performance

Type 1



Excellent performance under weaklight condition