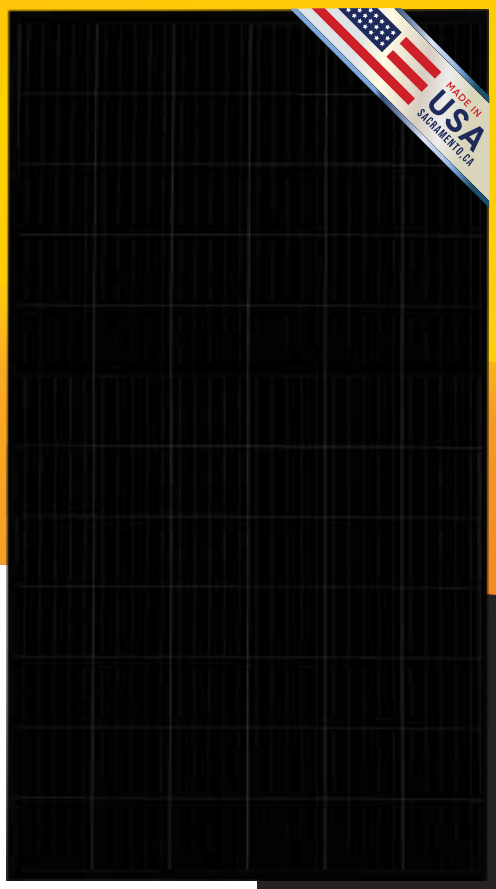
Everlight Solar

S4A410-72MH5

410W

Mono PERC Module
All-Black

385W-410W



made in USA SOLAR MODULES

YEAR 25 WARRANTY* PRODUCT & PERFORMANCE

America's Solution for Quality, Service, & Warranty

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

- 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 to 2400PA, Snow to 5400PA
- Lower LCOE

*Subject to warranty terms and conditions

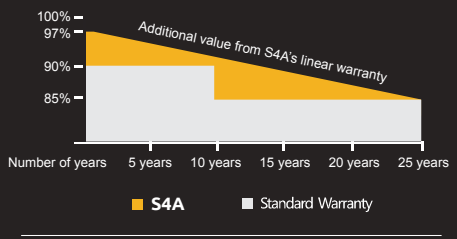
MODULE EFFICIENCY

21.17%

HIGH POWER OUTPUT

410W

Intertek — UL61730, UL1703



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.

SolarJuice Technology Inc.

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Everlight Solar

S4A410-72MH5

72 Cell | Mono PERC

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 - Impp (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 Pmpp: 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 - Impp (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℃ (±2℃)
Temperature Coefficient	-0.307%/K
Current Temperature Coefficient	+0.039%/K
Power Temperature Coefficient	-0.423%/K

MAXIMUM RATINGS

Maximum System Voltage [V]	1500
Series Fuse Rating [A]	20

MATERIAL CHARACTERISTICS

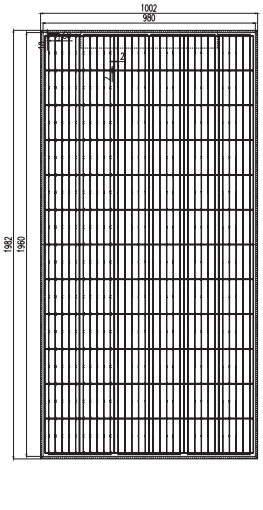
Dimensions	1982×1002×40mm (L×W×H)
Weight	22kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6×12 pieces monocrystalline solar cells series strings (158.75mm×158.75mm)
Junction Box	Rated current ≧ 13A, IP ≧ 67, TUV&UL
Cable & Connector	Length 1200mm, 1x4mm² / MC4 and MC4 Compatible

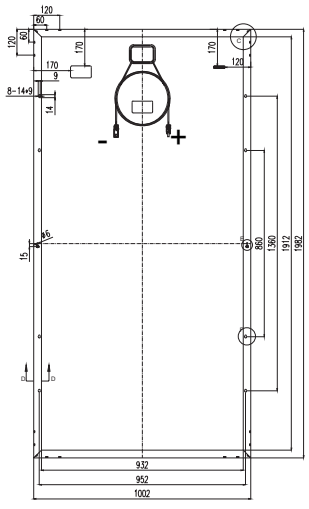
PACKAGING

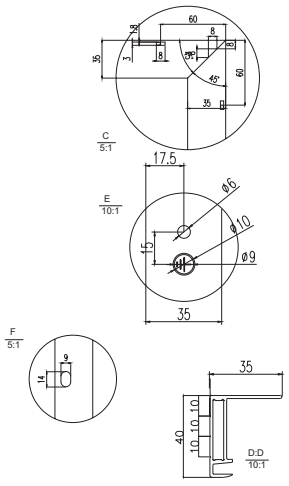
Dimensions(L×W×H)	1980×1140×1120mm
Container 20'	270
Container 40'	810

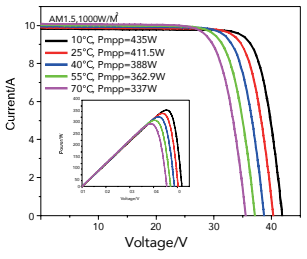
SYSTEM DESIGN

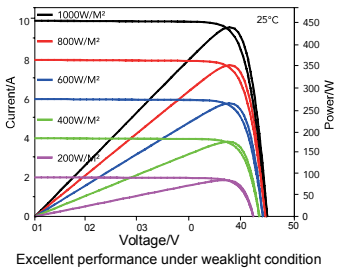
Temperature Range	-40 °C to + 85 °C
Withstanding Hail	Maximum diameter of 25 mm with Impact speed of 23 m·s-1
Maximum Surface Load	5,400 Pa
Module Fire Performance	Type 1











Excellent performance under weaklight condition