

S4A410-108MH10

410W

108 Half Cell
10BB Mono Perc
Black Back Sheet



390W-410W



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

Our products are manufactured locally in the US, under 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%

HIGH POWER OUTPUT

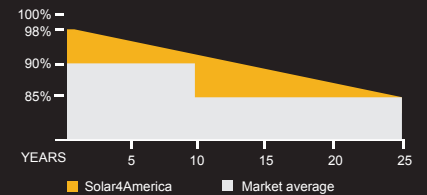
410W



UL61730
(Dec)

Linear Power WARRANTY

0.55% year 2-25 Annual Degradation



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.

Solar4America Technology Inc.

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*Subject to warranty terms and conditions

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Rev. 12/06/2022

ELECTRICAL PARAMETERS

| Module Type | S4A390 | | S4A395 | | S4A400 | | S4A405 | | S4A410 | |
|----------------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Testing Condition | | | | | | | | | | |
| Maximum Power - Pmax (W) | 390 | 291 | 395 | 294 | 400 | 298 | 405 | 302 | 410 | 306 |
| Maximum Power Voltage - Vmpp (V) | 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) | 12.73 | 10.18 | 12.81 | 10.23 | 12.89 | 10.30 | 12.97 | 10.36 | 13.05 | 10.42 |
| Open Circuit Voltage - Voc (V) | 36.50 | 34.4 | 36.75 | 34.6 | 37.00 | 34.8 | 37.25 | 35.1 | 37.50 | 35.3 |
| Short Circuit Current - Isc (A) | 13.61 | 10.97 | 13.69 | 11.04 | 13.78 | 11.11 | 13.86 | 11.17 | 13.94 | 11.24 |
| Module Efficiency | 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 | 1722×1134×30mm (L×W×H) |
| Weight | 21.5kg |
| Frame | Black anodized aluminum alloy |
| Glass | 3.2 mm coated tempered glass |
| Cell Encapsulation | EVA (Ethylene-Vinyl-Acetate) |
| Back Sheet | Black |

| | |
|-------------------|--|
| Solar Cells | 108(6×18) monocrystalline (182mm×91mm) |
| Junction Box | IP68, 3 bypass diodes |
| Cable & Connector | Length 1400mm, 1x4mm ² / MC4 and MC4 Compatible |

MAXIMUM RATINGS

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

PACKAGING

| | |
|----------------------|------------------|
| Pallet Dimensions | 1750x1110x1135mm |
| Pallet Quantity | 31 Modules |
| Truck (53') Quantity | 1116 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 |

