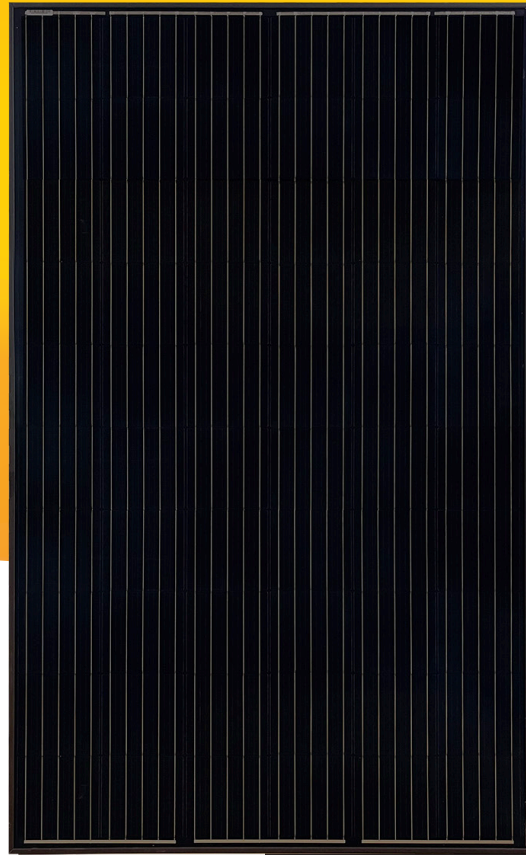


**S4A330-60MH5BB**

**330W**

Mono Perc Module  
All-Black



**320W-345W**



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

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



Custom Design for Transmission



Outstanding Temperature  
Coefficient



Minimize Micro-crack and Free of  
Snail Trails



Excellent Performance under  
Lowlight Condition

**Anti  
PID**

Excellent Anti-PID Performance



Certified for Salt/Ammonia  
Corrosion Resistance



Wind to 2400PA  
Snow to 5400PA



Lower LCOE



Suitable for Harsh Environments  
such as Coast and Lakes



Fire Resistant up to Class C

\*Subject to warranty terms and conditions

**Solar4America Technology Inc.**

4803 Urbani Ave, McClellan Park, CA 95652, USA  
916-671-5606

www.solar4america.com  
PVsales@solar4america.com

MODULE EFFICIENCY

**20.72%**

HIGH POWER OUTPUT

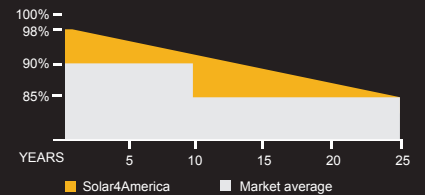
**330W**



UL61730



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.

# S4A330-60MH5BB

60 Cell | Mono Perc | All-Black

Rev. 03/20/2023

## ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS (STC)

Module Type	S4A345	S4A340	S4A335	S4A330	S4A325	S4A320
Maximum Power - Pmax (W)	345	340	335	330	325	320
Open Circuit Voltage - Voc (V)	41.4	41.2	41.0	40.8	40.6	40.4
Short Circuit Current - Isc (A)	10.47	10.39	10.3	10.22	10.12	10.03
Maximum Power Voltage - Vmpp (V)	34.0	33.8	33.6	33.4	33.2	33.0
Maximum Power Current - Imp (A)	10.15	10.06	9.97	9.88	9.79	9.7
Module Efficiency	20.72%	20.42%	20.12%	19.82%	19.52%	19.22%

STC: irradiance 1,000 W/m<sup>2</sup>; 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	S4A345	S4A340	S4A335	S4A330	S4A325	S4A320
Maximum Power - Pmax (W)	257	253	249	245	242	238
Open Circuit Voltage - Voc (V)	38.27	38.09	37.91	37.72	37.54	37.35
Short Circuit Current - Isc (A)	8.47	8.40	8.33	8.26	8.18	8.11
Maximum Power Voltage - Vmpp (V)	32.09	31.91	31.72	31.53	31.34	31.15
Maximum Power Current - Imp (A)	7.98	7.91	7.84	7.77	7.70	7.63

NOCT: irradiance 800 W/m<sup>2</sup>; 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	-0.39%/°C
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.29%/°C

## MATERIAL CHARACTERISTICS

Dimensions	65.43 x 39.45 x 1.38in (1662 x 1002 x 35mm)
Weight	40.8lbs (18.5kg)
Frame	Black anodized aluminum profile
Glass	Toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
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), 1x4mm <sup>2</sup> / MC4 and MC4 Compatible

## MAXIMUM RATINGS

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

## PACKAGING

Pallet Dimensions	67.72 x 44.49 x 44.49in (1720 x 1130 x 1130mm)
Pallet Quantity	31 Modules
Truck (53') Quantity	930 Modules

## SYSTEM DESIGN

Temperature Range	-40°C to +85°C
Withstanding Hall	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

