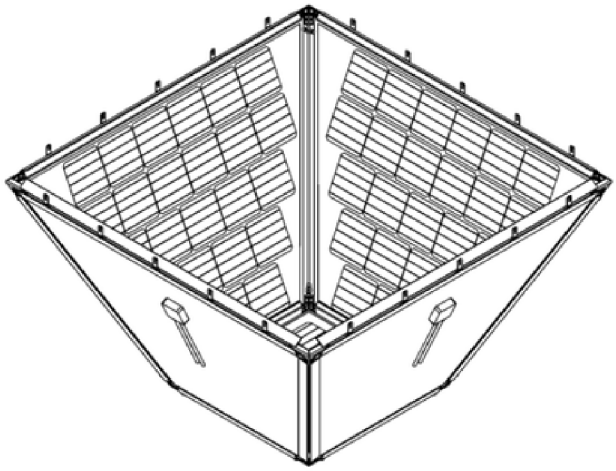
Attic Mount Solar Assembly

590 W | 3-Dimensional



Increased Production Per m²
Harness more energy with a smaller footprint

Improved Aesthetics
Eliminate the “it’s ugly” objection. No ugly racking, gaps, or conduits.

Fits on Small Roof Planes
Works on roof planes that are too small for traditional solar panels

Standard Framing Dimensions
Bolts directly onto standard roof span for easy installation

The ideal solution for:

New Residential Construction

Solar Frame Solutions, Inc. | PO Box 314, North Fork, CA 93643 | TEL +1 (559) 477-4880 | EMAIL dhammers@solarframesolution.com | WEB www.solarframesolutions.com

Electrical Characteristics

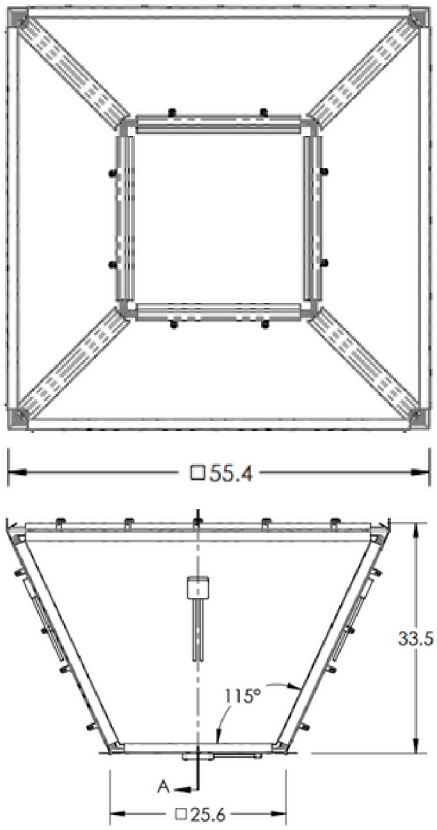
ELECTRICAL DATA	SFS50S	SFS135T
Nominal Max. Power (Pmax)	50W	135W
PVUSA Test Condition PTC	45.7W	124.3W
Opt. Operating Voltage (Vmp)	9.534	13.97
Opt. Operating Currert (Imp)	6.325	9.781
Open Circuit Voltage (Voc)	10.351	16.673
Short Circuit Current (Isc)	45.7	10.679
Operating Temperature	- 104℉~185℉	- 104℉~185℉
Max. System Voltage	1000VDC	1000VDC
Module Fire Performance	Type 1	Type 1
Max. Series Fuse Rating	15A	15A
Application Classification	A	A
Power Tolerance	±3%	±3%

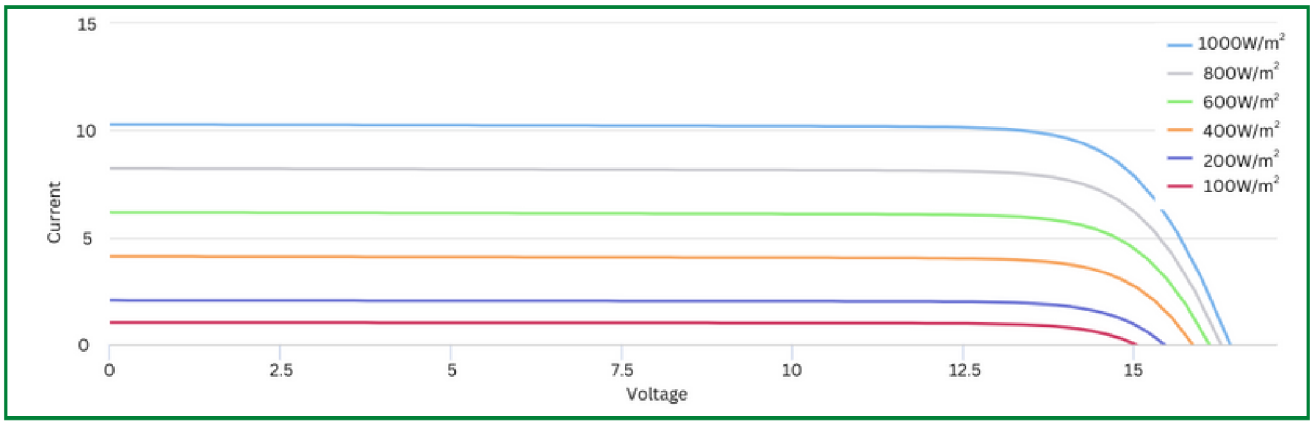
Temperature Characteristics

TEMPERATURE	SFS50S	SFS135T
Temperature Coeffient (Pmax) (°C)	-0.4120	-0.3952
Temperature Coefficient (Voc) (°C)	0.2639	-0.2659
Termperature Coefficient (Isc) (°C)	0.0376	0.0399
Nominal Operating Temperature (°C)	44 ±3%	44 ±3%

Mechanical Characteristics

MECHANICAL DATA	SFS50S	SFS135T
Cell Type	Monocrystalline	Monocrystalline
Module Cell	G1 Cell, 158.75 mm	G1 Cell, 158.75 mm
Cell Arrangement	9 Square (3*3*3)	24 Trapezoid (6*6*5*4*3)
Dimensions	23.5*23.5*0.6 in	23.5*51.0*36.7*0.6 in
Weight	8.82 lbs	18.08 lbs
Front Glass	Tempured Glass, Ironless, 3.2mm	Tempured Glass, Ironless, 3.2mm
Frame	Anodized Aluminum Alloy	Anodized Aluminum Alloy
J-Box	JS-696, 2 Bypass Diodes	JS-696, 2 Bypass Diodes
Cable	PV Wire, 12 AWG	PV Wire, 12 AWG
Cable Length	1 Meter Typical	1 Meter Typical
Connector	MC4, 1500 V DC, 35 A Max	MC4, 1500 V DC, 35 A Max





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