

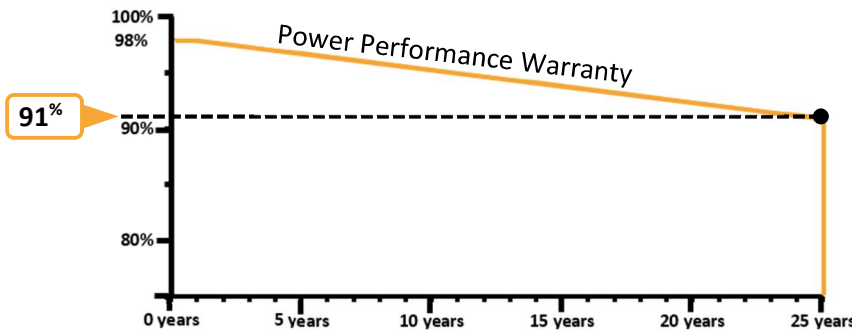
SVR-410-G00-SR-A1

All-in-One Solar Panel
for Asphalt Shingle Roofs

Solvari[®]
SOLAR MADE EASY **SR**



*Panel may look different than shown



2-Minute
Install



Direct-to-Deck
Rafter-Free



160 mph
Wind Rating



33 psf
Snow Rating



22.3%
Efficiency



Better Shade
Tolerance



Micro-Crack
Resistant



Rapid Shutdown
Compliant



No Ground Wire
PID Free

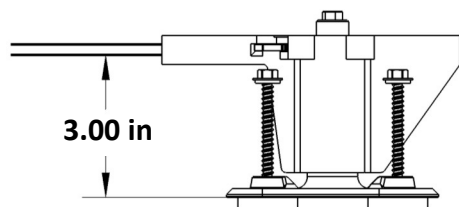
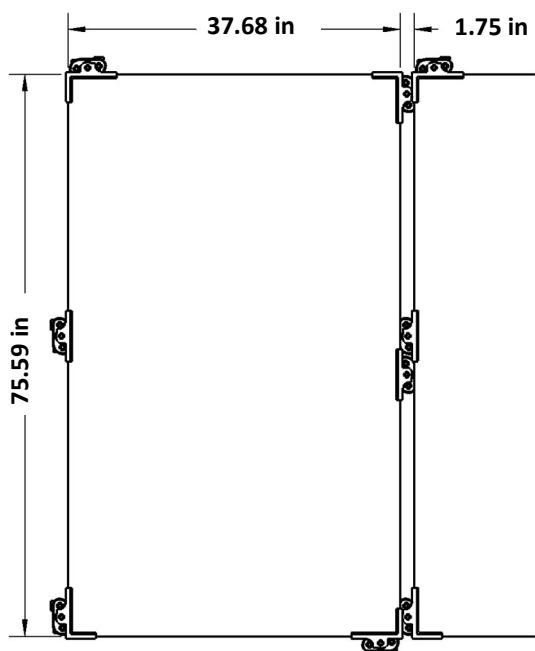


Class A
Fire Rating



Mechanical Specifications

Module Dimensions for Array Layout	77.34 x 39.43 x 3.0 in (1964 x 1001 x 76.2 mm)
Laminate Dimensions	75.59 x 37.68 x 0.22 in (1920 x 957 x 5.5 mm)
Gap between Panels	1.75 in. (45 mm)
Weight	58.9 lbs (26.8 kg)
Frame	Frameless
Mounts	6 x Weather Resistant Polymer
Flashing	Flexible Flashing Tape
Fasteners	12 x Galvi Roofing Screws
Leveling	1.25 in. (32 mm)
Service	Laminate Quick Release
Front/Back Glass	2mm High Transmission, Low Iron, Strengthened Glass
Cells	100 Split Cells TOPCon N-Type
Junction Box	IP68, 3 Diodes
Wiring	Prewired, 90 in. Jumper Cable
Connectors	MC4



DC Electrical Specifications

Test Condition	STC	NOCT
Maximum Power - Pmax (W)	410	385
Open Circuit Voltage - Voc (V)	35.62	33.76
Short Circuit Current - Isc (A)	13.74	13.87
Voltage at Max Power Vmpp (V)	31.05	29.43
Current at Max Power Impp (A)	13.27	13.39
Module Efficiency	22.30%	

(STC) Standard Test Conditions: irradiance 1,000 W/m²; AM 1.5; module temperature 25°C. Pmax Sorting: 0-5W. Measuring Tolerance: ±2%.

(NOCT) Normal Operating Cell Temperature: irradiance 800w/m², wind speed 1 m/s, ambient temp 20°C, Measuring Tolerance ±2%

Temperature Specifications

NOCT	45°C (±2°C)
Temperature Coefficient - Voltage	-0.26%/°C
Temperature Coefficient - Current	+0.046%/°C
Temperature Coefficient - Power	-0.30%/°C
Operating Temperature Range	-40°C to +85°C

AC Electrical Specifications

Max Continuous Output Power (VA)	350
Nominal (L-L) Voltage Range (V)	240/208 (183-264)
Max Continuous Output Current (A)	1.46 / 1.68
DC:AC Ratio	1.17
Weighted Average CEC Efficiency (%)	96.8 / 96.5
Max Circuit Over Current Protection (A)	20
Max No. of Solvari SR Modules/String	11

IEEE 1547.1-2020 9, NEC 2020 Section 690.11 DC Arc-Fault Circuit Protection, NEC 2020 Section 690.12 Rapid Shutdown of PV Systems on Buildings, NEC 2020 Section 705.12 Point of Connection (AC ArcFault Protection), CA Rule-21 UL 62109-1, HECO Certified UL1741 SA, UL 1741 SB, CSA C22.2 No. 107.1.

Shipping Specifications

Pallet Dimensions (LxWxH) [in]	82.6 x 44.7 x 52.5
Standard Pallet No. Modules	12
24' Truck - No. Pallets/Module	12/144
53' Truck - No. Pallets/Module	30/360
Standard Pallet Weight	812
Custom Pallet No. Modules	6-18
Shipping Options	B2B, B2C

Notes

- Follow all Solvari SR installation instructions, NEC, and local code requirements.
- Solvari SR is patent protected by US patent 10,361,653 B2.
- Due to continuous technical innovation and product improvements, the information within this datasheet may be modified at any time. Solvari has the right to make modifications without notice.
- Solvari SR has been certified by Intertek to UL/CSA 61730 for modules, and UL 2703 for racking.
- Everything needed to install the Solvari SR module on asphalt shingle roofs is included. Do not use any other components to install or service these modules.
- Approved for 3-tab and HD architectural shingles with a max shingle layer change of 0.35in (9mm).
- Maximum allowable gap between plywood or skip sheathing is 1/8".
- Wind load rating: Zone 1, Exposure Category C, 30ft mean roof height, any roof slope/type.
- Snow load rating: 60 psf ground snow load equivalent when using 4:12 roof slope, warm roof factor, and no snow retention.