

## Features:

- Rule-21 Complaint
- Thinnest micro inverter in the world, 25mm in thickness  
Designed for frame mount (AC module), rail mount, and framless module mount solutions.
- Qualified equipment that meets Hawaiian Electric TrOV-2 and full frequency and voltage ride-through
- High efficiency 96.5% CEC
- Globally certified for UL 1741-SA/SB, SAA, TUV, VDE-AR-N 4105, VDE 0126, G83/2, CEL 021, IEC61727, EN504387, TOR Erzeuger Type A
- Integrated grounding for easy Installation
- NEMA-6/IP-66/IP-67 enclosure rating
- Integrated monitoring and power line communication with SVR-A10 gateway



**Solvari**  
SOLAR MADE EASY



CE



SAA  
152167

## Important Product Information

Solvari is committed to developing Clean, Affordable, Reliable, and Efficient (CARE) products for our customers worldwide.

Solvari microinverters have an isolation transformer and basic isolation between the DC input and the AC output network.



Input (DC)		SVR - A10	
Recommended Max PV Power		400 Wp	
Max DC Open Circuit Voltage		60 Vdc	
Max DC Input Current		14 A	
MPPT Tracking Accuracy		> 99.5%	
MPPT Tracking Range		22 - 55 Vdc	
ISC PV (Absolute Maximum)		18 A	
Maximum Inverter Backfeed Current to the Array		0 A	
Output (AC)		SVR - A10	
Nominal Power Grid Voltage	240 Vac	208 Vac	
Allowable Power Grid Voltage	211 - 264 Vac	183 - 228 Vac	
Peak AC Output Power	295 W	255 W	
Rated Output Current		123 A	
Maximum Number of Units Per Branch (20A)		13	
(All NEC adjustment factors have been considered)			
Allowable Power Grid Frequency		59.3 - 60.5 Hz	
THD		> 3% (at rated power)	
Power Factor (cos phi, fixed)		-0.99 > 0.9 (adjustable) (0.9un - 0.9ov)	
Current (inrush) (Peak and Duration)		15A 15us	
Nominal Frequency		60 Hz	
Maximum Output Fault Current		2.5 A	
Maximum Circuit Overcurrent Protection		20 A	
System Efficiency		SVR - A10	
Weighted Average Efficiency (CEC)		96.50%	
Night Time Tare Loss		0.11 W	
Protection Function		SVR - A10	
Over/Under Voltage Protection		Yes	
Over/Under Frequency Protection		Yes	
Anti-Islanding Protection		Yes	
Over Current Protection		Yes	
Reverse DC Polarity Protection		Yes	
Overload Protection		Yes	
Protection Degree		NEMA-6 / IP-66 / IP-67	
Ambient Temperature		-40°F to +149°F (-40°C to +65°C)	
Operating Temperature		-40°F to +185°F (-40°C to +85°C)	
Display		LED Light	
Communications		Power Line	
Dimension (W x H x D)		7.09" x 7.32" x 0.98" (180x186x25 mm)	
Weight		3.3 lbs (15 kg)	
Environment Category		Indoor and Outdoor	
Wet Location		Suitable	
Pollution Degree		PD 3	
Over Voltage Category		II(PV), III (AC MAINS)	
Product Safety Compliance		UL 1741-SA/SB, CSA C22.2, NO. 107.1, IEC/EN 62109-1, IEC/EN 62109-2	
Grid Code Compliance* (Refer to the label for the detailed grid code compliance)		IEEE 1547.1 (2018), VDE-AR-N 4105*, VDE V 0126-1-1/A1, G83/2, CEI 21, AS 4777.2, AS 4777.3, EN50438, ABNT NBR 16149/16150	

•Grid parameters are configurable through the SVR-A10 gateway

\*All NEC required adjustment factors have been considered for AC outputs.

\*AC current outputs will not exceed stated values for Rated Output AC Current.

### Compliance:

- NEC 2020 Sec 690.11 DC Arc Fault Circuit Protection
- NEC 2020 Sec 690.12 Rapid Shutdown of PV systems on buildings.
- NEC 2020 Sec 705.12 Point of connection
- AC Arc Fault Protection
- Rule 21 Certified
- HECO Complaint