

**August 12, 2025**  
Public Hearing

The current proposal is:

**Preservation Department – Item 1, LPC-25-10999**

**242-03 Pine Street – Douglaston Hill Historic District**  
**Borough of Queens**

**To testify virtually, please join Zoom**

**Webinar ID:** 160 374 1460

**Passcode:** 904503

By Phone: 646-828-7666 (NY)

833-435-1820 (Toll-free)

833-568-8864 (Toll-free)

**Note:** If you want to testify virtually on an item, join the Zoom webinar at the agenda's "Be Here by" time (about an hour in advance). When the Chair indicates it's time to testify, "raise your hand" via the Zoom app if you want to speak (\*9 on the phone). Those who signed up in advance will be called first.





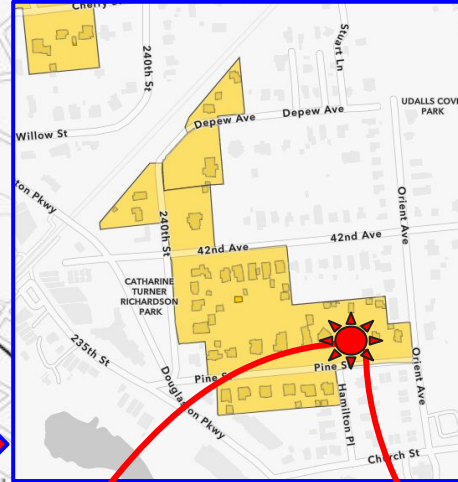
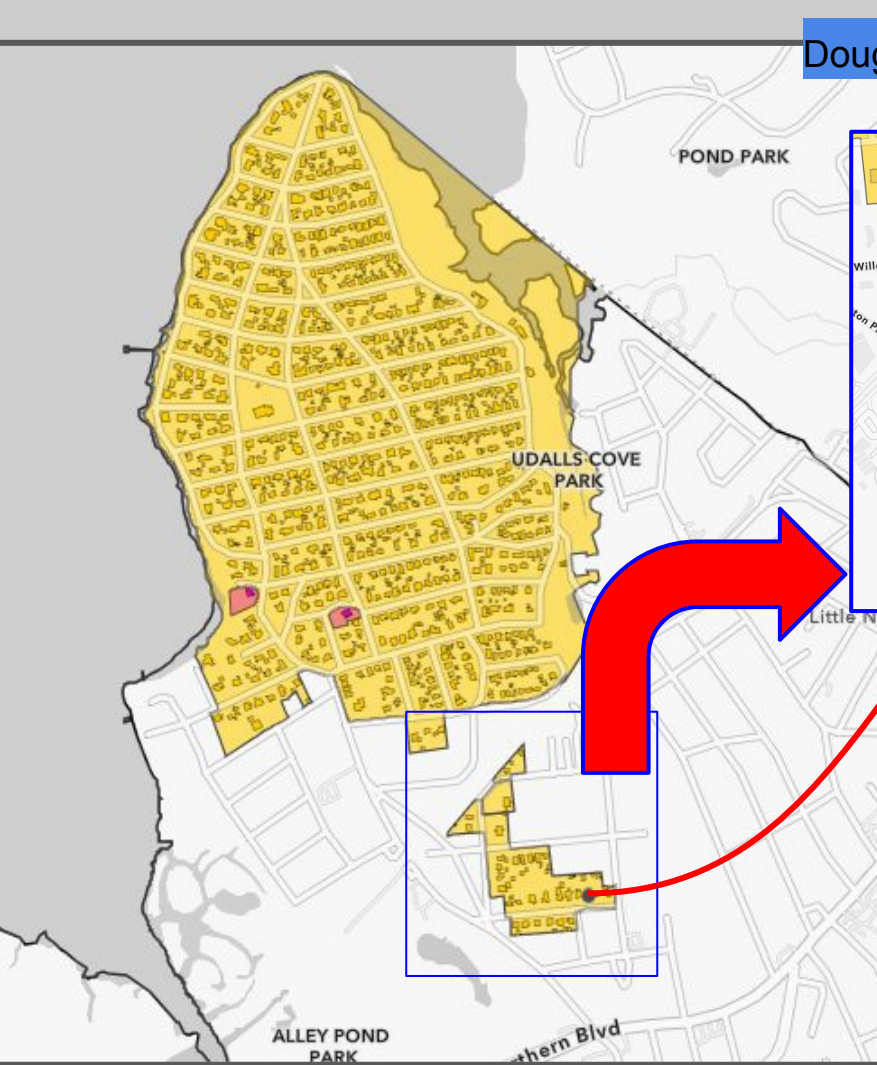
# 242-03 Pine Street, Douglaston, NY 11363

Proposal to Install roof mounted solar panels on Street facing  
South Roof

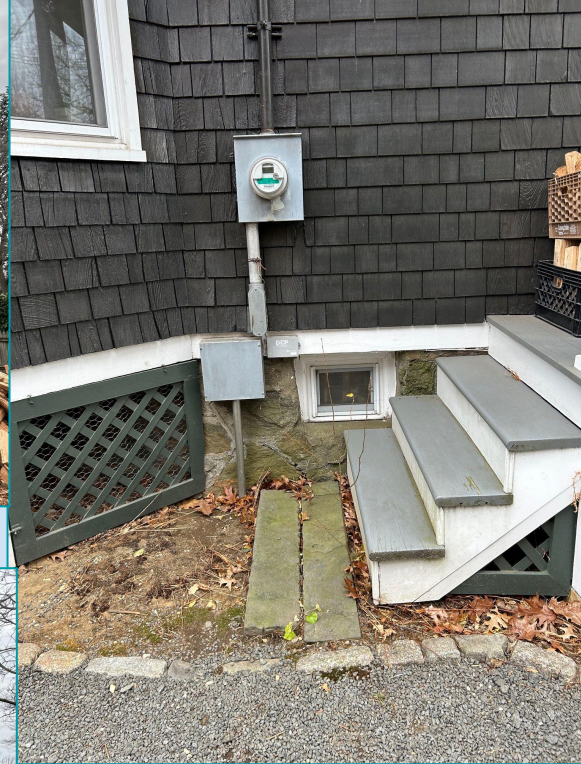
August 12th, 2025



# Douglaston Hill Historic District



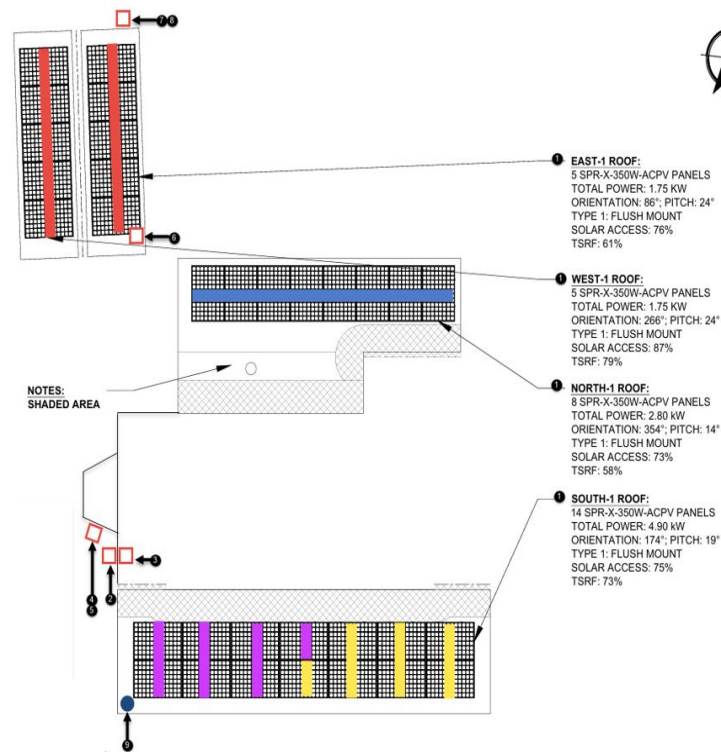
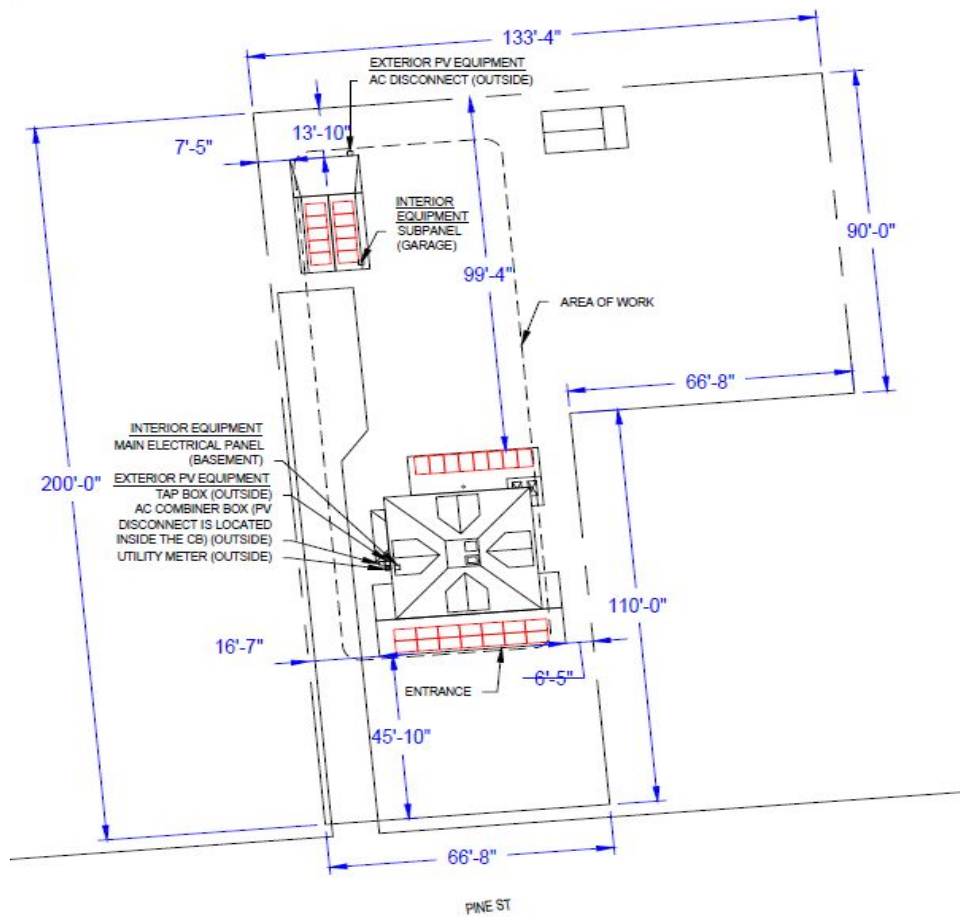




Current conditions of site:









Eagle eye renderings of proposed solar installation on all roofs.  
(32) 350w panels, 11.20kW total system size - South roof production 4.90kW





## Renderings - Street Views



**Street views from sidewalk across the street**

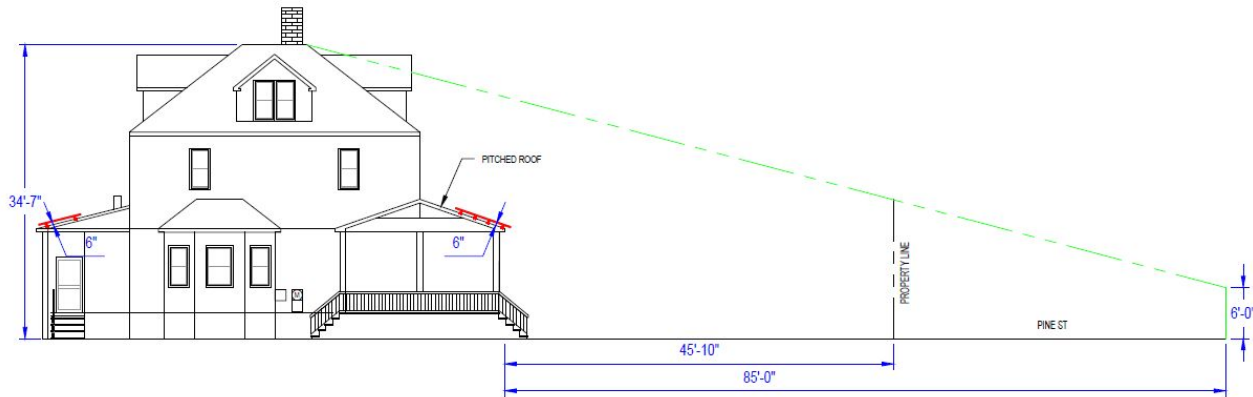
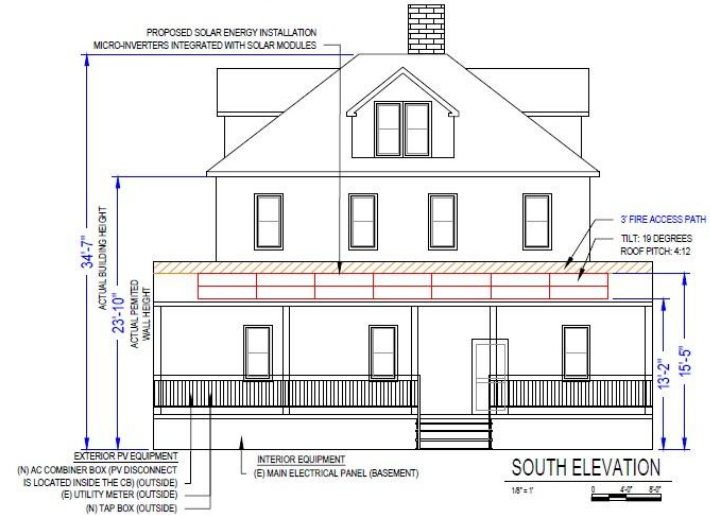
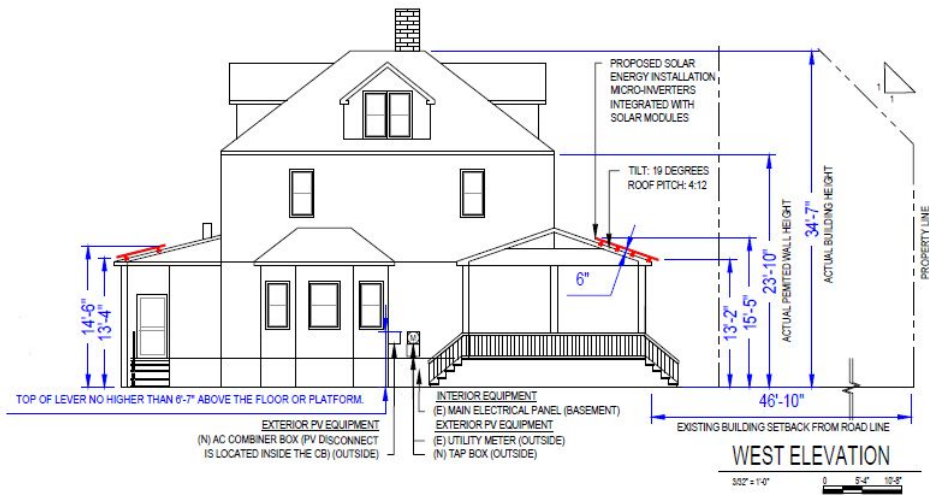


## Renderings - Street Views

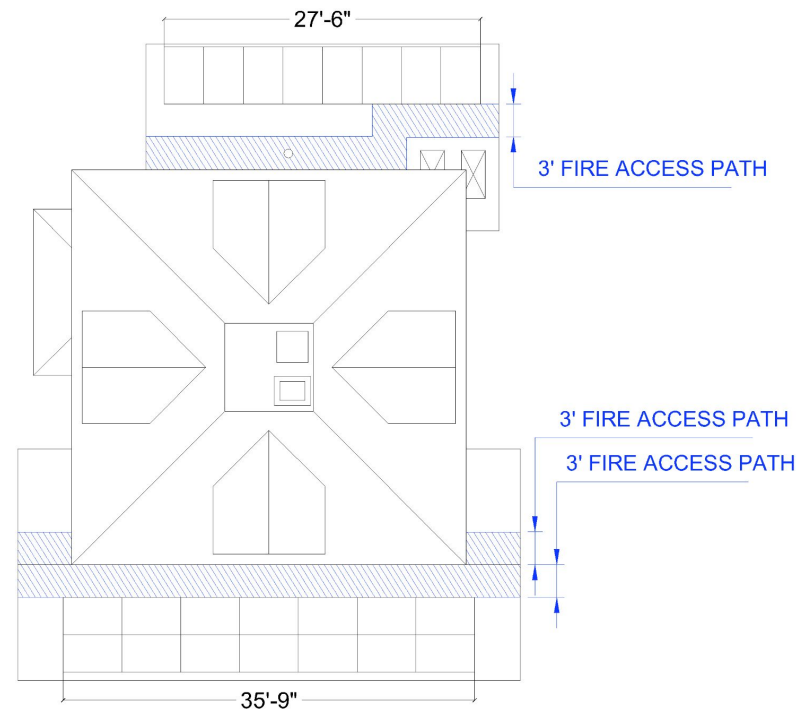
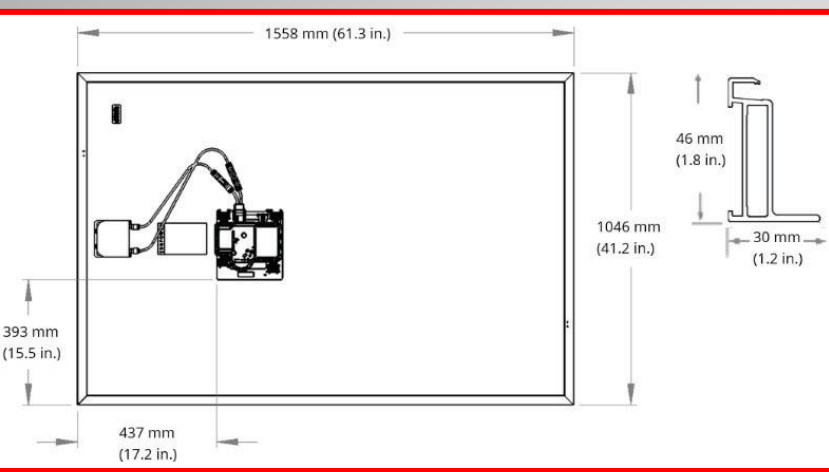


**Additional Street views - directly across the street**





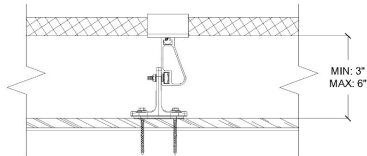




## XR100

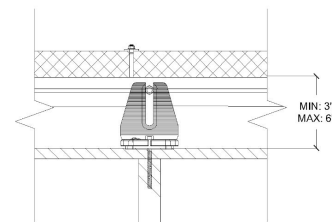
XR100 is a residential and commercial mounting rail. It supports a range of wind and snow conditions, while also maximizing spans up to 10 feet.

- 10' spanning capability
- Heavy load capability
- Clear & black anodized finish
- Internal splices available



DETAIL (TRANSVERSE)

NOT TO SCALE



DETAIL (LONGITUDINAL)

NOT TO SCALE



1/2" opening size black PVC coated hot dip galvanized steel after welding. For more information on why that is important, please visit: [Types of galvanization \(opens in new window\)](#)



The SolaSkirt SL kit (single length) is a 1.2m length of powder coated skirt

The skirt is made of exterior grade aluminium sheet – grade 1050 H14

Powder coated matt black (RAL9005) skirt and clamps

Includes 1 x 1.2m length

Includes 1 single clamp and 1 double clamp

Fast and easy to install











Sub panel in the garage that feeds into the main house through the already existing conduit - solar deck on garage roof will hide conduit - threaded internally

Disconnect on back of garage for (10) panels and EV charger

## X-Series: X21-350-BLK | X21-335-BLK | X20-327-BLK

## SunPower® Residential AC Module

Built specifically for use with the SunPower Equinox™ system, the only fully integrated solution designed, engineered, and warranted by one manufacturer.



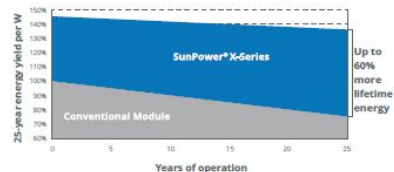
## Maximum Power. Minimalist Design.

Industry-leading efficiency means more power and savings per available space. With fewer modules required and hidden microinverters, less is truly more.



## Highest Lifetime Energy and Savings.

Designed to deliver 60% more energy over 25 years in real-world conditions like partial shade and high temperatures.<sup>1</sup>



## Fundamentally Different. And Better.



## The SunPower® Solar Cell

- Enables highest-efficiency modules available.<sup>2</sup>
- Unmatched reliability.<sup>3</sup>
- Patented solid metal foundation prevents breakage and corrosion



## Factory-integrated Microinverter

- Simpler, faster installation
- Integrated wire management, rapid shutdown
- Engineered and calibrated by SunPower for SunPower modules



## Best Reliability. Best Warranty.

With more than 25 million modules deployed around the world, SunPower technology is proven to last. That's why we stand behind our module and microinverter with the industry's best 25-year Combined Power and Product Warranty, including the highest Power Warranty in solar.



## X-Series: X21-350-BLK | X21-335-BLK | X20-327-BLK SunPower® Residential AC Module

AC Electrical Data	
Inverter Model: Type E (Q 7XS)	@240 VAC
Peak Output Power	320 VA
Max. Continuous Output Power	315 VA
Nom. (L-L) Voltage/Range <sup>1</sup> (V)	240 / 211-264
Max. Continuous Output Current (A)	1.31
Max. Units per 20 A (L-L) Branch Circuit <sup>2</sup>	12 (single phase)
CEC Weighted Efficiency	97.5%
Nom. Frequency	60 Hz
Extended Frequency Range	47-68 Hz
AC Short Circuit Fault Current Over 3 Cycles	5.8 Arms
Overvoltage Class AC Port	III
AC Port Backfeed Current	18 mA
Power Factor Setting	1.0
Power Factor (adjustable)	0.7 lead / 0.7 lag.

No active phase balancing for three-phase installations

DC Power Data	
	X21-350-BLK-E-AC X21-335-BLK-E-AC X20-327-BLK-E-AC
Nom. Power <sup>1</sup> (Prom)	350 W 335 W 327 W
Power Tol.	+5/-0% +5/-0% +5/-0%
Module Efficiency	21.5% 21.0% 20.4%
Temp. Coef. (Power)	-0.29%/°C -0.29%/°C -0.29%/°C
Shade Tol.	• Three bypass diodes • Integrated module-level maximum power point tracking

Tested Operating Conditions	
Operating Temp.	-40°F to +185°F (-40°C to +85°C)
Max. Ambient Temp.	122°F (50°C)
Max. Test Load <sup>3</sup>	Wind: 154 psf, 7400 Pa, 754 kg/m <sup>2</sup> back Snow: 208 psf, 10000 Pa, 1019 kg/m <sup>2</sup> front
Design Load	Wind: 62 psf, 3000 Pa, 305 kg/m <sup>2</sup> back Snow: 125 psf, 6000 Pa, 611 kg/m <sup>2</sup> front
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)

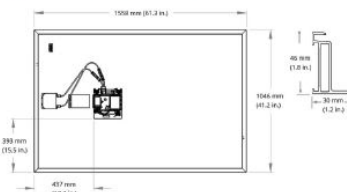
Mechanical Data	
Solar Cells	96 Monocrystalline Gen III
Front Glass	High-transmission tempered glass with anti-reflective coating
Environmental Rating	Outdoor-rated
Frame	Class 1 black anodized (highest AAMA rating)
Weight	42.9 lb (19.5 kg)
Recommended Max. Module Spacing	1.3 in. (33 mm)

1. SunPower 360 W compared to a conventional module on same-sized array (200 W, 16% efficient, approx. 1.6 m<sup>2</sup>) 4% more energy per watt based on third-party module characterization and PVGIS, 0.7% higher degradation (Compass, J. et al. "SunPower Module Degradation Rate," SunPower white paper, 2015).  
2. Based on search of datasheet values from websites of top 10 manufacturers per IHS, as of January 2017.  
3. 1 ft x 1 ft in "The Solar PV Reliability Institute for Solar Module Reliability" (The Solar Reliability Institute, 2015).  
4. Factory test to 15474-2014 default settings, CA Rule 21 default settings profile and during commissioning.  
5. Standard Test Conditions (1000 W/m<sup>2</sup> irradiance, AM 1.5, 25°C), NREL calibration standard: SOLAR current, AC/DC IV and edge AIGC output fully certified within CA Rule 21 default settings profile and during commissioning.  
6. UL listed as PVHS and conforms with NEC 2017 and NEC 2020 690.12 and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors when installed according to manufacturer's instructions.  
7. Please read the safety and installation instructions for more information regarding load ratings and mounting configurations.

See [www.sunpower.com](http://www.sunpower.com) for more reference information.

For more details, see extended datasheet [www.sunpower.com/datasheets](http://www.sunpower.com/datasheets) Specifications included in this datasheet are subject to change without notice.  
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1-800-SUNPOWER

Warranties, Certifications, and Compliance	
Warranties	<ul style="list-style-type: none"> <li>25-year limited power warranty</li> <li>25-year limited product warranty</li> </ul>
Certifications and Compliance	<ul style="list-style-type: none"> <li>UL 1703</li> <li>UL 1741 / IEEE-1547</li> <li>UL 1741 AC Module (Type 2 fire rated)</li> <li>UL 62109-1 / IEC 62109-2</li> <li>FCC Part 15 Class B</li> <li>ICES-0003 Class B</li> <li>CAN/CSA-C22.2 NO. 107.1-01</li> <li>CA Rule 21 (UL 1741 5A)<sup>4</sup></li> <li>(Includes Vdd/Vdr and Reactive Power Priority)</li> <li>UL Listed PV Rapid Shutdown Equipment<sup>5</sup></li> </ul>
	Enables installation in accordance with: <ul style="list-style-type: none"> <li>NEC 690.6 (AC module)</li> <li>NEC 690.12 Rapid Shutdown (inside and outside the array)</li> <li>NEC 690.15 AC Connectors, 690.33(A)-(E)(1)</li> </ul>
	When used with InvisiMount racking and InvisiMount accessories (UL 2703): <ul style="list-style-type: none"> <li>Module grounding and bonding through InvisiMount</li> <li>Class A fire rated</li> <li>When used with AC module Q Cables and accessories (UL 6703 and UL 2238F)<sup>6</sup></li> <li>Rated for load break disconnect</li> </ul>
PID Test	Potential induced degradation free



SUNPOWER®

Please read the Safety and Installation Instructions for details.

531946 RevD



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