# SOLARIA

# Solaria PowerXT<sup>®</sup> | AC Panel



## Solaria PowerXT®-365R-AC

The Solaria PowerXT AC Panel combines the latest cutting-edge IQ7+ microinverter technology from Enphase with the premium highefficiency and superior aesthetics of Solaria solar panels. The PowerXT AC panel is an elegant product that reduces installation time by combining the inverter, panel, and monitoring. Achieving 20% efficiency, Solaria PowerXT AC solar panels are one of the highest power AC panels in the residential solar market. Compared to conventional panels, Solaria PowerXT panels have fewer gaps between the solar cells and are manufactured with black backsheet and frames, giving them a striking appearance and higher efficiency.

### Higher Efficiency, Higher Power

Solaria PowerXT AC panels achieve up to 20% efficiency; conventional panels achieve 15% – 17% efficiency. Combined with Enphase IQ7+ microinverter, the Solaria PowerXT AC Panel is one of the highest power and most efficient AC panels available.

### Easy to Install

The integrated Enphase IQ7+ microinverter reduces installation costs due to fewer balance of system components, improved two-wire cabling and compliance with NEC 2014 & 2017 rapid shutdown requirements.

## Smart Grid Ready

Meets CA Rule 21 and complies with advanced grid support, voltage and frequency ridethrough requirements. Remotely updates to respond to changing grid requirments and is configurable for varying grid profiles.

### **Improved Aesthetics**

Compared to conventional panels, the Solaria PowerXT AC Panel has a more uniform appearance and superior aesthetics.

## **Durability and Reliability**

Industry leading 25 year warranty with a million hours of microinverter testing.

#### **PID Resistant**

Solaria PowerXT panels are PID resistant. This insures stable and predictable energy production over time.

### About Solaria

Established in 2000, The Solaria Corporation has created one of the industry's most respected IP portfolios, with over 250 issued and pending patents in PV solar cell and module technology. Headquartered in Oakland, California, Solaria has developed a technology platform that unlocks the potential of solar energy.





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| DC Input Performance at S                  | STC (10 | 100W/m², 25° C, AN | 11.5)                    |  |
|--------------------------------------------|---------|--------------------|--------------------------|--|
| Solaria PowerXT-                           |         | 355R-AC            | 365R-AC                  |  |
| Max Power (Pmax)                           | [W]     | 355                | 365                      |  |
| Efficiency                                 | [%]     | 19.6               | 20.2                     |  |
| Open Circuit Voltage (Voc)                 | [V]     | 47.4               | 48.0                     |  |
| Short Circuit Current (Isc)                | [A]     | 9.53               | 9.58                     |  |
| Max Power Voltage (Vmp)                    | [V]     | 39.1               | 39.9                     |  |
| Max Power Current (Imp)                    | [A]     | 9.09               | 9.16                     |  |
| Power Tolerance                            | [%]     | -0/+3              | -0/+3                    |  |
| AC Output Data: Enphase IQ7+ Microinverter |         |                    |                          |  |
| Peak Output Power                          | [VA]    | 29                 | 95                       |  |
| Max Continuous Power                       | [VA]    | 29                 | 290                      |  |
| Nominal Voltage                            | [V]     | 24                 | 240                      |  |
| Max Continuous Current                     | [A}     | 1.                 | 1.21                     |  |
| Nominal Frequency                          | [Hz]    | 6                  | 60                       |  |
| Extended Frequency Range                   | [Hz]    | 47                 | 47-68                    |  |
| Peak Efficiency                            | [%]     | 97                 | 97.5                     |  |
| Power Factor / Adjustable                  | [#]     | 0.85 leading.      | 0.85 leading0.85 lagging |  |
| Max Branch Circuit                         | [A]     | 2                  | 20                       |  |
| Max Panels/Circuit                         | [#]     | 1                  | 13                       |  |
| Operating Temperature                      | [C]     | -40 to +65         |                          |  |

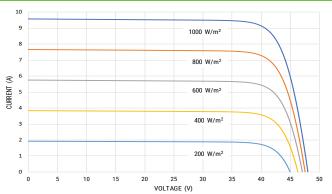
#### Features

Communication Monitoring Power line Enlighten Manager and MyEnlighten options Compatible with Enphase IQ Envoy Approved by UL for AC and DC load break as required by NEC Article 690 Compliant per NEC-2014 & 2017

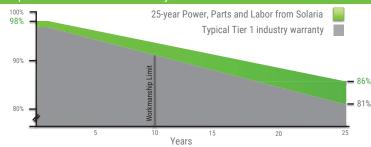
Rapid Shutdown

**Disconnecting Means** 

#### IV Curves vs. Irradiance (365W Panel)



#### Comprehensive 25-Year Warranty



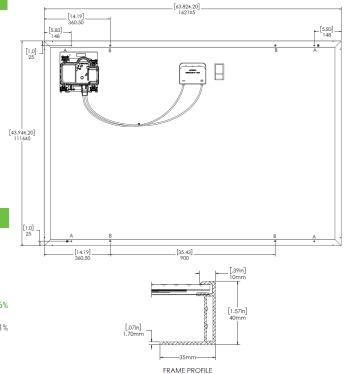
# Solaria PowerXT®-365R-AC

| Cell Type                                  | Monoorvetalling Silioon                          |
|--------------------------------------------|--------------------------------------------------|
| Cell Type<br>Dimensions (L x W x H)        | Monocrystalline Silicon<br>63.8" x 43.9" x 1.57" |
|                                            | 1621mm x 1116mm x 40mm                           |
| Weight                                     | 22 kg / 48 lbs                                   |
| Glass Type / Thickness                     | AR Coated, Tempered / 3.2mm                      |
| Frame Type                                 | Black Anodized Aluminum                          |
| DC Cable Type / Length                     | Q DC / 815(+), 740mm(-)                          |
| AC Cable Type / Length                     | Q AC / 2000mm                                    |
| Junction Box                               | IP67 / 4 diodes                                  |
| Front Load                                 | 5400 Pa / 113 psf*                               |
| Rear Load                                  | 3600 Pa / 75 psf*                                |
| * Refer to Solaria Installation Manual for | r details                                        |
| Certifications / Warranty                  |                                                  |
| Certifications                             | UL 1703/UL1741/CEC                               |
|                                            | CAN/CSA-C22.2                                    |
| NEMA                                       | 3R                                               |
| Fire Type                                  | Туре 1                                           |
| Warranty                                   | 25 years*                                        |
| * Warranty details at www.solaria.com      |                                                  |

#### Packaging

| Stacking Method         | Horizontal /  |
|-------------------------|---------------|
| Panels / Pallet         | 25            |
| Pallet Dims (L x H x W) | 65.7" x 45.   |
|                         | 1668mm x 1150 |

Pallet Weight Pallets / 40-ft Container Panels / 40-ft Container Horizontal / Palletized 25 65.7" x 45.3" x 48.4" 668mm x 1150mm x 1230mm 615 kg / 1360 lbs 28 700



The Solaria Corporation 1700 Broadway, Oakland, CA 94612 P: (510) 270-2507 www.solaria.com Product specifications are subject to change without notice.

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