SOLARIA®

Solaria PowerXT® | AC Panel

Solaria PowerXT®-365R-AC

The Solaria PowerXT AC Panel combines the latest cutting-edge microinverter technology from Enphase with the premium high-efficiency and superior aesthetics of the Solaria PowerXT Panel. Utilizing the latest Enphase IQ7+ platform the PowerXT AC Panel combines aesthetics and performance into an elegant product that reduces installation time by combining the inverter, panel and monitoring.

Achieving 20% efficiency, Solaria PowerXT 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; this leads to higher power and superior aesthetics. Solaria PowerXT Pure Black™ residential panels are manufactured with black backsheet and frames, giving them a striking appearance.

Higher Efficiency, Higher Power

Solaria PowerXT 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 ride-through 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.

About Solaria

Established in 2000, The Solaria Corporation has created one of the industry's most respected IP portfolios, with over 65 patents encompassing materials, processes, applications, products, manufacturing automation and equipment. Headquartered in Oakland, CA, Solaria has developed a technology platform that unlocks the potential of solar energy.

ENPHASE ENERGIZED

TOP PERFORMER 2018 DNV·GL PV MODULE RELIABILITY SCORECARD

TÜVRheinland® Precisely Right.

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Product specifications are subject to change without notice.

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Solaria PowerXT®-365R-AC

DC Input Performance at STC (1000W/m², 25° C, AM 1.5)

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

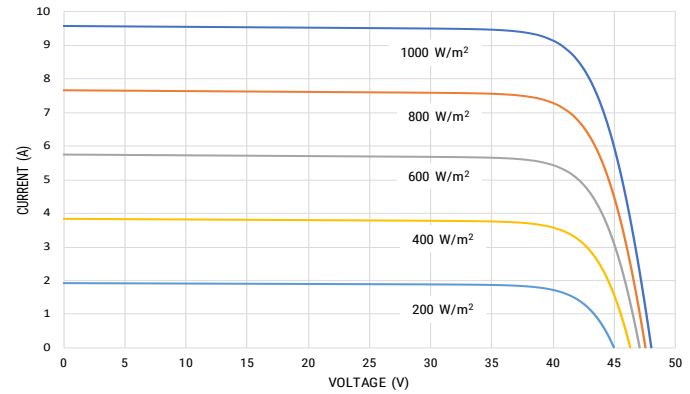
AC Output Data: Enphase IQ7+ Microinverter

Peak Output Power	[VA]	295
Max Continuous Power	[VA]	290
Nominal Voltage	[V]	240
Max Continuous Current	[A}	1.21
Nominal Frequency	[Hz]	60
Extended Frequency Range	[Hz]	47-68
Peak Efficiency	[%]	97.5
Power Factor / Adjustable	[#]	0.85 leading...0.85 lagging
Max Branch Circuit	[A]	20
Max Panels/Circuit	[#]	13
Operating Temperature	[C]	-40 to +65

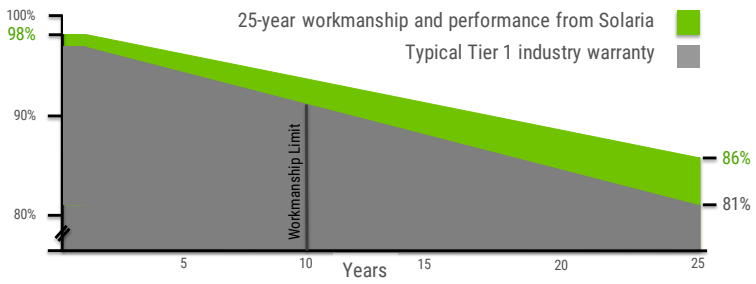
Features

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

IV Curves vs. Irradiance (365W Panel)



Comprehensive 25-Year Warranty



Mechanical Characteristics

Cell Type	Monocrystalline Silicon
Dimensions (L x W x H)	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 details

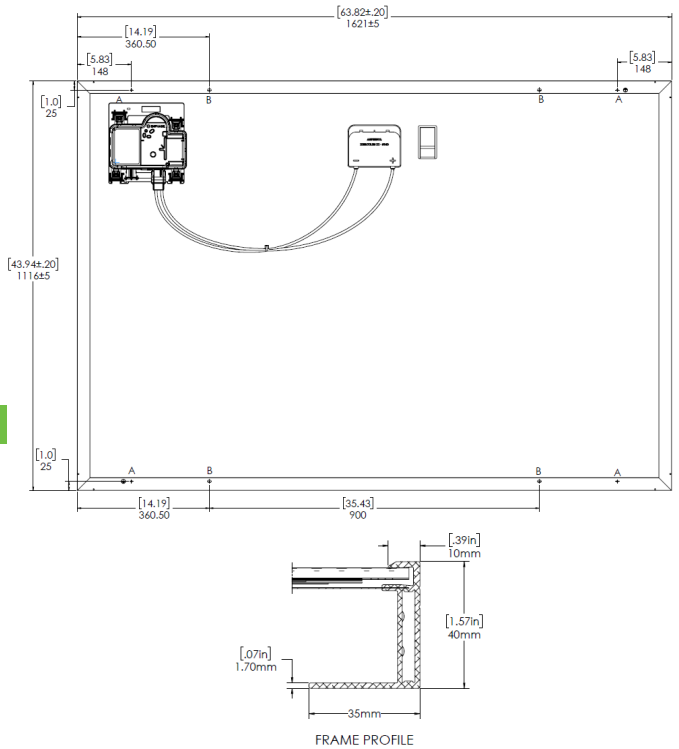
Certifications / Warranty

Certifications	UL 1703/UL1741/CEC CAN/CSA-C22.2
NEMA	3R
Fire Type	Type 1
Power & Product Warranty	25 years*

* Warranty details at www.solaria.com

Packaging

Stacking Method	Horizontal / Palletized
Pcs / Pallet	25
Pallet Dims	1668 x 1150 x 1230 mm
Pallet Weight	615 kg / 1360 lbs
Pallets / 40-ft Container	28
Pcs / 40-ft Container	700



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