



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 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; this leads to higher power and superior aesthetics. Solaria PowerXT Pure BlackTM residential panels are manufactured with black backsheet and frames, giving them a striking appearance.

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.

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.









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	
Power Tolerance	[%]	-0/+3	-0/+3	

AC Output Data: Enphase IC	//+ Micr	oinverter
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 leading0.85 lagging
Max Branch Circuit	[A]	20

[#]

[C]

Features

Max Panels/Circuit

Operating Temperature

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

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-40 to +65

Mechanical Characteristics

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

Certifications / Warranty

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

^{*} Warranty details at www.solaria.com

Packagino

Stacking Method Panels / Pallet Pallet Dims (L x H x W)

Pallet Weight
Pallets / 40-ft Container
Panels / 40-ft Container

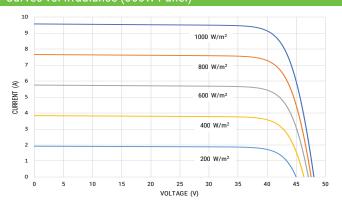
Horizontal / Palletized

25 65.7" x 45.3" x 48.4"

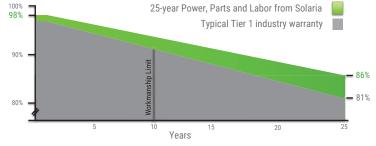
1668mm x 1150mm x 1230mm 615 kg / 1360 lbs

> 28 700

IV Curves vs. Irradiance (365W Panel)



Comprehensive 25-Year Warranty



[14.19] [5.83] [14.19] [5.83] [14.19] [5.83] [14.19] [1.0] [1.0] [1.1] [1.0] [1.1] [1.1] [1.0] [1.1] [