Solaria PowerXT®

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

Achieving up to 20% efficiency, Solaria PowerXT solar modules are one of the highest power AC modules in the residential solar market. Compared to conventional modules, Solaria PowerXT modules have fewer gaps between the solar cells; this leads to higher power and superior aesthetics. Solaria PowerXT residential modules are manufactured with black backsheet and frames, giving them a striking appearance.

Higher Efficiency, Higher Power

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

Easy to Install

The integrated Enphase IQ7+ microinverter reduces installtions costs by taking the complexity and guesswork out of designing systems and combining components in the field. It is also compliant 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.

Superior Aesthetics

Compared to conventional modules, the Solaria PowerXT AC Module has a more uniform appearance and improved 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 100 patents encompassing materials, processes, applications, products, manufacturing automation and equipment. Headquartered in Fremont, California, Solaria has developed a technology platform that unlocks the potential of solar energy allowing it to be ubiquitous and universally accessed.

The Solaria Corporation 6200 Paseo Padre Parkway, Fremont, CA 94555 P: (510) 270-2500 www.solaria.com
Product specifications are subject to change without notice.

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DC Input Performance at STC (1000W/m^2, 25° C, AM 1.5)

Solaria PowerXT-		350R-AC	355R-AC	360R-AC
Max Power (Pmax)	[W]	350	355	360
Efficiency	[%]	19.4	19.6	19.9
Open Circuit Voltage (Voc)	[V]	47.1	47.4	47.7
Short Circuit Current (Isc)	[A]	9.49	9.53	9.56
Max Power Voltage (Vmp)	[V]	38.8	39.1	39.5
Max Power Current (Imp)	[A]	9.02	9.09	9.13

AC Output Data: Enphase IQ7+ Microinverter

Peak Output Power	[VA]	300
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
Efficiency	[%]	97.0
Power Factor / Adjustable	[#]	0.7 leading…0.7 lagging
Max Branch Circuit	[A]	20
Max Modules/Circuit	[#]	13
Operating Temperature	[C]	-40 to +65

* Refer to Enphase IQ7+ Datasheet for complete specification

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 (350W Module)

Authorized Dealer

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	Anodized Aluminum
Cable Type / Length	12 AWG PV Wire (UL) / 1000mm
Junction Box	IP67 / 4 diodes
Front Load (UL 1703)	5400 Pa / 113 psf*
Rear Load (UL 1703)	3600 Pa / 75 psf*

* Refer to Solaria Installation Manual for details

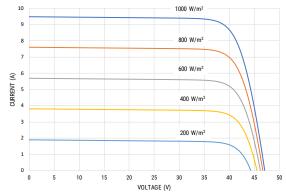## Certifications / Warranty

Certifications	UL 1703/UL1741/CEC
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

MOUNTING SLOT

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