

SPK-330R-WX | SPK-320R-BX

Achieving over 19% efficiency, SolarPark solar modules are one of the highest power modules in the residential solar market. Compared to conventional modules, SolarPark modules have fewer gaps between the solar cells; this leads to higher power and superior aesthetics. SolarPark residential modules are manufactured with a white backsheet (SPK-330R-WX) or a black backsheet (SPK-320R-BX).

Higher Efficiency, Higher Power

SolarPark solar modules achieve over 19% efficiency; conventional modules achieve 15% – 17% efficiency. SolarPark modules are one of the highest power modules available.

Lower System Costs

SolarPark modules produce more power per square meter area. This reduces installation costs due to fewer balance of system components.

Improved Shading Tolerance

Sub-strings are interconnected in parallel, within each of the four module quadrants, which dramatically lowers the shading losses and boosts energy yield.

Improved Aesthetics

Compared to conventional modules, SolarPark modules have a more uniform appearance and superior aesthetics.

Durability and Reliability

Solder-less cell interconnections are highly reliable and designed to far exceed the industry leading 25 year warranty.

Powered by Solaria

Established in 2000 and headquartered in California, 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.

About SolarPark Korea

Headquartered in the Republic of Korea, SolarPark Korea has the largest manufacturing capacity in Korea. With its experience in 30 years of equipment technology, SolarPark Korea has created a fully automated state of the art PV panel manufacturing facility. Through its joint venture with SolarWorld, SolarPark Korea has merged German solar panel technology and its own Korean equipment technology into one, maximizing the conditions for optimum quality panels.



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

		SPK-xxxR-BX		SPK-xxxR-WX	
Max Power (P _{max})	[W]	320	325	325	330
Efficiency	[%]	18.7	19.0	19.0	19.3
Open Circuit Voltage (V _{oc})	[V]	44.3	44.5	44.3	44.5
Short Circuit Current (I _{sc})	[A]	9.36	9.40	9.46	9.49
Max Power Voltage (V _{mp})	[V]	36.5	36.7	36.4	36.6
Max Power Current (I _{mp})	[A]	8.77	8.86	8.93	9.02
Power Tolerance	[%]	-0/+3	-0/+3	-0/+3	-0/+3

Performance at NOCT (800W/m², 20°C Amb, Wind 1 m/s, AM 1.5)

Max Power (P _{max})	[W]	235	239	239	243
Open Circuit Voltage (V _{oc})	[V]	40.7	41.0	40.7	41.0
Short Circuit Current (I _{sc})	[A]	7.54	7.58	7.63	7.66
Max Power Voltage (V _{mp})	[V]	33.2	33.4	33.1	33.3
Max Power Current (I _{mp})	[A]	7.08	7.16	7.23	7.30

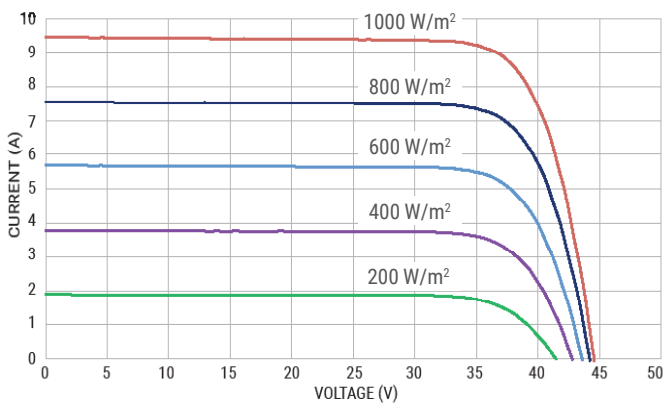
Temperature Characteristics

NOCT	[°C]	45 +/-2
Temp. Coeff. of P _{max}	[% / °C]	-0.40
Temp. Coeff. of V _{oc}	[% / °C]	-0.32
Temp. Coeff. of I _{sc}	[% / °C]	0.05

Design Parameters

Operating temperature	[°C]	-40 to +85
Max System Voltage	[V]	1000
Max Fuse Rating	[A]	15
Bypass Diodes	[#]	4

IV Curves vs. Irradiance (330W Module)



Authorized Dealer



Mechanical Characteristics

Cell Type	Monocrystalline Silicon
Dimensions (L x W x H)	1621mm x 1056mm x 40mm
Weight	20 kg / 44 lbs
Glass Type / Thickness	AR Coated, Tempered / 3.2mm
Frame Type	Anodized Aluminum
Cable Type / Length	12 AWG PV Wire (UL) / 1000mm
Connector Type	Amphenol H4 (MC4 compatible)
Junction Box	IP67 / 4 diodes
Front Load (UL 1703)	5400 Pa / 113 psf
Rear Load (UL 1703)	3600 Pa / 75 psf

Certifications / Warranty

Certifications	UL 1703 / IEC 61215 / IEC 61730
Fire Type (UL 1703)	1
Power & Product Warranty	25 years

Packaging

Stacking Method	Horizontal / Palletized / Clear Wrap
Pcs / Pallet	26
Pallet Dims	1740 x 1130 x 1163 mm
Pallet Weight	551 kg / 1215 lbs
Pallets / 40-ft Container	26
Pcs / 40-ft Container	676

