

XT - POWER Series

Total black 350-360 Wp

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

Developed in USA, with patented cell cutting and module assembly takes processed solar wafers and turns them into XT-POWER solar modules. The process starts by creating a highly reliable XT-POWER cell where busbars and ribbon interconnections are eliminated. The XT cells is laminated into the XT-POWER solar module, reducing inactive space between the cells. All of the above leads to an exceptionally efficient solar module produced in a cost effective manner.

HIGHER EFFICIENCY, HIGHER POWER

XT-POWER modules achieve up to 20% efficiency; conventional modules achieve 15% – 17% efficiency. XT-POWER modules are one of the highest power modules available.

LOWER SYSTEM COSTS

XT-POWER 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, XT-POWER 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.

*Product warranty**Linear warranty*

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

Sunerg XT Series		350R-BD	355R-BD	355R-PD	360R-PD
Max Power (Pmax)	W	350	355	355	360
Efficiency	%	19.4	19.6	19.6	19.9
Open Circuit Voltage (Voc)	V	47.4	47.7	47.4	47.7
Short Circuit Current (Isc)	A	9.44	9.48	9.53	9.56
Max Power Voltage (Vmp)	V	39.2	39.5	39.1	39.5
Max Power Current (Imp)	A	8.94	8.99	9.09	9.13
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 (Pmax)	W	258	261	261	265
Open Circuit Voltage (Voc)	V	44.6	44.8	44.6	44.8
Short Circuit Current (Isc)	A	7.61	7.64	7.68	7.71
Max Power Voltage (Vmp)	V	36.1	36.3	36.0	36.3
Max Power Current (Imp)	A	7.15	7.19	7.27	7.30

Temperature Characteristics

NOCT	°C	45 + / -2
Temp. Coeff. of Pmax	% / °C	-0.39
Temp. Coeff. of Voc	% / °C	-0.29
Temp. Coeff. of Isc	% / °C	0.04

Mechanical Characteristics

Cell Type	Monocrystalline Silicon
Dimensions (L x W x H)	1621 mm x 1116 mm x 40 mm
Weight	21 kg / 46 lbs
Glass Type/ Thickness	AR Coated, Tempered / 3.2 mm
Frame Type	Anodized Aluminium
Cable Type / Length	12 AWG PV Wire (UL) / 1000 mm
Connector Type	Amphenol H4 (MC4 compatible)
Junction Box	IP67 / 4 diodes
Front Load (UL 1703)	5400 Pa / 113 psf
Rear Load (UL 1703)	2400 Pa / 75 psf

Packaging

Stacking Method	Horizontal / Palletized
Pcs / Pallet	25
Pallet Dims (L x W x H)	1668 x 1150 x 1230 mm
Pallets Weight	590 kg / 1300 lbs
Palets / 40-ft Container	28
Pcs / 40-ft Container	700

IV Curves (350W Module)

