

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 backsheets 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 are 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 | | XT-350R-BD | XT 355R-BD | XT 355R-PD | XT 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)

