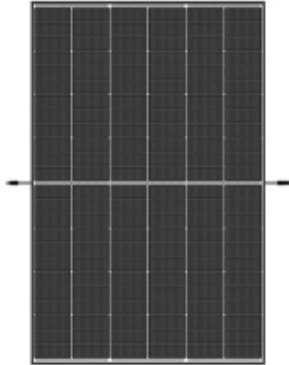


## Trina Solar NEG9R.28 Vertex S+ 435W BF

Product code: PV.trina.bf.S+.435



Manufacturer	TRINA SOLAR
Width	1134
Height	1762
Depth	30
Weight	21
Warranty	25
Power	435
Efficiency warranty	30
Country of origin	China
CN code number	85414300
Frame color	black
Type of support	monofacial
Technologies	N-Type
Quantity per pallet	36
Quantity per container	936

Trina Vertex S+ TSM - NEG9R.28 - 435Wp photovoltaic module with a power of 435W, made of monocrystalline silicon type n. The applied TOPcon technology in Trina panels, combined with multi-busbar technology, ensures not only high efficiency of silicon cells but also their durability. The key features of Trina Vertex S+ TSM - NEG9R.28 - 435Wp modules include:

## Product variants

Index	Price
<b>Trina Solar NEG9R.28 Vertex S+ 435W BF</b> PV.trina.bf.S+.435	Product prices only visible after login. If you do not have an account, please register.

## Product description

Trina Vertex S+ TSM - NEG9R.28 - 435Wp photovoltaic module with a power of 435W, made of monocrystalline silicon type n. The applied TOPcon technology in Trina panels, combined with multi-busbar technology, ensures not only high efficiency of silicon cells but also their durability. The key features of Trina Vertex S+ TSM - NEG9R.28 - 435Wp modules include:

High efficiency of up to 21.8%.

Low level of autodegradation due to the use of n-type technology. Power drop in the first year is < 1%, in the following years 0.4% per year, and after 30 years, the power is no less than 87.4% of the original value.

Increased absorption of sunlight through the use of multi-busbar technology.

Cells exhibit positive power tolerance in the range of 0/+5 W.

Enhanced mechanical and thermal resistance, as well as resistance to work in challenging weather conditions, provided by double glass on both sides of the module. Resistance to concentrated snow forces per unit area (5400 Pa) and wind (4000 Pa).

The product is covered by a 25-year product warranty and a 30-year warranty for linear power decline.

Technical data of Trina Vertex S+ TSM - NEG9R.28 - 435Wp photovoltaic module:

Maximum Power-PMAX (Wp): 435

Power Tolerance-PMAX (W): 0/+5 Maximum Power Voltage-VMPP (V): 43.6 Maximum Power Current-IMPP (A): 9.99

Open-Circuit Voltage (V): 51.8 Short-Circuit Current-ISC (A): 10.64 Module Efficiency  $\eta_m$  (%): 21.8 Photovoltaic Cells:

Monocrystalline

Number of Cells: 144 Module Dimensions: 1762×1134×30 mm Weight: 21 kg

Front Glass: 1.6 mm, high transmittance, Glass reinforced with Anti-Reflective AR coating Rear Glass: 1.6 mm, glass with high transmittance, thermally reinforced Frame: 30 mm anodized aluminum, black

Connection Cables: Photovoltaic Cable 4.0 mm<sup>2</sup>, Horizontal: 1100/1100 mm, Vertical: 280/350 mm

Trina Solar brand solar panels represent the highest level of quality among photovoltaic panels available on the market. Even in climatic conditions not very favorable for solar energy production, as is the case in Poland, they perform exceptionally well. Their efficiency surpasses many other panels, meaning that with fewer panels, a significant amount of energy can be generated. Ideal locations for installing Trina Solar panels are primarily the roofs of residential and commercial buildings.