

# Trina Solar Ecoflow 520W Solar Panel



Model: NEG18R.28 BF

Manufacturer: ECOFLOW

EAN: 5905156109629

Product Code: 1099732

## R3,652

### EcoFlow Trina Solar 520W Solar Panel

The Trina Solar EcoFlow 520W photovoltaic panel is designed to deliver high energy output for many years, combining Ni-TOPCon cells with a maximum efficiency of 22.9%. Its lightweight double-glass construction facilitates installation while offering high resistance to harsh weather conditions. The entire design has been optimized for broad compatibility with popular photovoltaic systems, making the panel ideal for both new installations and system expansions.

### Maximum Efficiency and Stable Energy Production

The use of ni-TOPCon technology enables a maximum output power of 520 W and a positive power tolerance of 0/+5 W, meaning the panel delivers the rated power or even slightly more. An efficiency of up to 22.9% ensures effective use of available sunlight, and the low-voltage design enables the construction of high-power systems. An additional advantage is the low temperature coefficient of -0.29%/°C, thanks to which the panel maintains its performance better when operating at high —

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temperatures. Power degradation is a maximum of 1% in the first year of operation, and only 0.4% per year in subsequent years, which helps maintain high energy yield for many seasons.

### A design built for demanding conditions

The durable double-glass construction combines low weight with high reliability and an enhanced A+C fire rating. The panel is designed to operate in a variety of environmental conditions and can easily withstand snow loads of up to 5,400 Pa and wind loads of up to 2,400 Pa. As a result, it performs well in locations exposed to heavy precipitation, strong gusts, or variable weather conditions, maintaining durability and operational stability over the long term.

### Universal compatibility and easy installation

The panel is ideally suited for installation on the roofs of commercial and industrial (C&I;) buildings, while remaining compatible with popular photovoltaic modules, optimizers, and mounting systems. Carefully selected dimensions and weight facilitate transport and installation, allowing for a smoother setup process and convenient adaptation of the panel to various system configurations. This solution combines high efficiency, durability, and application flexibility in a single photovoltaic module.

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| Manufacturer       | EcoFlow                                                  |
| Model              | NEG18R.28 BF                                             |
| Photovoltaic Cells | Monocrystalline                                          |
| Number of Cells    | 108                                                      |
| Dimensions         | 1961 x 1134 x 30 mm                                      |
| Weight             | 23.5 kg                                                  |
| Front glass        | 1.6 mm, high transmittance, AR-coated glass              |
| Rear glass         | 1.6 mm, high-transmittance, thermally strengthened glass |
| Frame              | 30 mm, anodized aluminum alloy                           |
| J-box              | IP68 rating, 3 bypass LEDs                               |

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**Connection cables** 4.0 mm<sup>2</sup> PV cable, horizontal 1300/1300 mm, vertical 280/350 mm

**Connector** TS4, TS4 Plus, MC4 EV02

GPSR Link: [https://psr-assets.innpro.pl/energy/sg\\_energy\\_photovoltaiv\\_panels.pdf](https://psr-assets.innpro.pl/energy/sg_energy_photovoltaiv_panels.pdf), Gross weight: 23500, Box length: 196,10, Box width: 113,40, Box height: 3,00, Net weight: 29600

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