



# Photovoltaic platform step board

What is a step up transformer substation?

Brunstock's step up transformer substations are designed to convert power on solar farms from LV to MV. Our modular pad mounted (metal-clad) substations convert low-voltage AC power generated by the PV inverter into medium-voltage AC power and feed it into the power grid.

What is a Brunstock step up substation?

A Brunstock step up substation integrates a ring main unit (MV switchgear), a power transformer, a low-voltage cabinet and an auxiliary power supply into a steel container. This product provides a highly integrated power transformation and distribution solution for ground-based PV plants in medium-voltage grid-tied applications.

Which GIS products are available in the medium-voltage room?

The medium-voltage room contains a Brunstock gas-insulated secondary ring main unit. Read more about our green GIS products, which contain dry air: BGS-12 and BGS-40.5. We also offer BGS-24, which contains SF6 gas. The circuit breaker offers transformer protection mainly through the relay protection device.

What are the dimensions of a step-up substation?

For ease of transportation, the substation has the same dimensions as a 20-foot container: 6,058mm wide x 2,896mm high x 2,438mm deep. The LV cabinet is located inside a dedicated LV room inside the step-up substation. It is used to converge and transmit low voltage from the inverter to the step-up transformer and feed it into the MV grid.

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E 2 OF 3 30" 01\_Equipment Platforms PV-EQ-STEP\_Bolt on Equipment Platform Step STAIR TREAD:



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FRP molded grating is widely used in petroleum industry, power engineering, water supply and drainage treatment, marine survey and other fields as working floors, stair treads, ditch ...

The speed trajectory, state of energy, and PV power distribution strategy under the same PV power output condition for the MILP model and the two-step model are shown in ...

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