

## SolarInnovate Energy Solutions

# EU Photovoltaic DC Current Box



## Overview

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What is a DC box?

Protect and keep an eye on the arrays of your PV installation. The DC Box is a PV array combiner box installed next to the Conext™ Core XC inverter, providing protection and supervision of the PV plant performance. Offer range with 6/10 inputs and a maximum output current of 1600A STC to fit with a large number of PV plant designs.

What are the NEC standards for outdoor PV power generation?

This high-safety and reliability outdoor PV power generation system component meets the NEC 2017/2020 standards, with 1500V DC voltage, output circuit breaker ratings up to 400A or 500A, and NEMA 4X housing protection class. It is ideal for parallel series combination and current protection in large-scale photovoltaic power stations.

How does a DC/DC converter work in a photovoltaic system?

With the DC/DC converters, control cabinets are supplied directly from the photovoltaic system. Connectors designed for field assembly are ideal for cabling photovoltaic systems. Wireless communication in PV systems: The wireless system transmits I/O signals or serial data.

How many DC output cables per polarity to connect the inverter?

Up to 4 x 300 mm<sup>2</sup> DC output cables per polarity to connect the inverter DC Box // PV array combiner box. Specifications are subject to change without notice. (1)DC Box equipped with the fuses listed below. (2)For monitored models. (3)Fuses not provided with product, to be ordered separately.

Does GBP offer junction boxes with reverse current prevention diodes?

GBP can offer junction boxes with reverse current prevention diodes on short lead times, solving this issue. Over 5,000 Units Sold! With rapid technological advancements, the requirements for solar power generation systems are

changing for each project.

How are PV DC combiner boxes tested?

PV DC combiner boxes are tested according to IEC-61439-2 and are constructed on the basis of the test results as well as assembled for the specific application. This ensures that each of the requirements of the target application is fully met.

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