

# String inverter AC combiner box





## Overview

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What is a PV AC combiner box?

The new PV AC combiner boxes have been designed for PV systems with string inverters in trackers or fix tilt systems. The product portfolio is suitable for inverters from 60 kW up to 200 kW and support voltages of 400 V, 690 V or 800 V AC. The combiner boxes allow to collect from 2 up to 6 string inverters in one single cabinet.

What is an AC combination box?

The AC Combiner Box is a critical protection and distribution device in photovoltaic (PV) string inverter systems. It connects multiple PV string inverters to the main AC power grid safely and efficiently. Designed to meet the demands of outdoor installations, it offers IP65 protection, ensuring durability in harsh environmental conditions.

What is an AC combiner box?

The AC combiner box plays a key role in consolidating AC output from multiple string inverters before routing it to the grid or main AC distribution board. It ensures safe and organized connection, circuit protection, and monitoring—helping integrators simplify complex wiring and reduce site workload. Telecom or remote off-grid AC power management.

What is a string combiner box?

The string combiner boxes form subsystems that can be standardized according to the number of strings, voltage and rated current. ABB offers different product ranges, each dedicated to specific installation conditions with typical configurations. Main benefits Main Features Are you looking for support or purchase information?



## String inverter AC combiner box

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### [Solis AC Combiner Box](#)

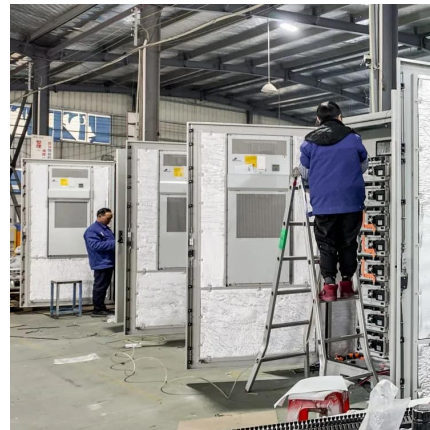
The AC combiner is a highly reliable device and should be used with a series PV inverter with an AC output voltage of 800V. There are several models to choose from, which are widely ...

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### [Photovoltaic AC combiner box detailed explanation](#)

The photovoltaic AC combiner box is used in a photovoltaic power generation system with string inverters and is installed between the AC output side of the inverter and the grid connection ...

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### [Smart string combiner box](#)

A String Combiner Box, beside its main function of combining the outputs of photovoltaic panel strings into one or two outputs to feed the main inverter, also provides overcurrent and ...

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## PV AC Combiner Boxes

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## String combiner boxes for photovoltaic

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String combiner boxes for photovoltaic systems  
It is necessary to use string combiner boxes to provide ideal protection for PV systems against lightning strikes and overvoltages. Our turnkey string combiner boxes, which can ...

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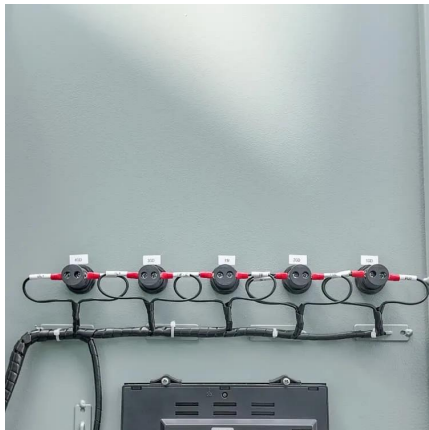




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## [AC combiner box "ACCBs"](#)

The Gantner AC Combiner provides the optimal interface between inverter and transformer station in decentralized energy generation plants. The integrated overvoltage protection device ...

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## [PV AC Combiner Boxes , PV Distribution Box Supplier , IPKIS](#)

PV AC combiner box is designed for photovoltaic systems that utilize string inverters. This combiner box is strategically placed between the AC output of the inverter and ...

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## [Photovoltaic AC combiner box detailed ...](#)

The photovoltaic AC combiner box is used in a photovoltaic power generation system with string inverters and is installed between the AC output side of the inverter and the grid connection point/load. It is internally equipped with ...

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## [AC Combiner Box for PV Inverter Systems](#)

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## [Solis AC Combiner Box](#)

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### AC combiner box "ACCBs"

The Gantner AC Combiner provides the optimal interface between inverter and transformer station in decentralized energy generation plants. The integrated overvoltage protection device type 2 guarantees a high level of ...

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