

Introduction to DC Combiner Box The DC combiner box is an essential component in photovoltaic power generation systems. It is designed to combine the direct current (DC) output from multiple photovoltaic modules or strings. This device plays a crucial role in optimizing the performance and safety of the photovoltaic system. It provides a centralized location for connecting and managing the DC power generated by the solar panels. The DC combiner box is equipped with fuses or circuit breakers to protect against overcurrent and short circuits. This helps to prevent damage to the photovoltaic modules and other electrical components. It also features a monitoring system that allows users to monitor the voltage, current, and power output of each string. This enables early detection of any issues or malfunctions in the photovoltaic system. The DC combiner box is typically made of durable materials to withstand harsh environmental conditions. With its ability to efficiently combine and manage DC power, the DC combiner box is an important part of a reliable and efficient photovoltaic power generation system.

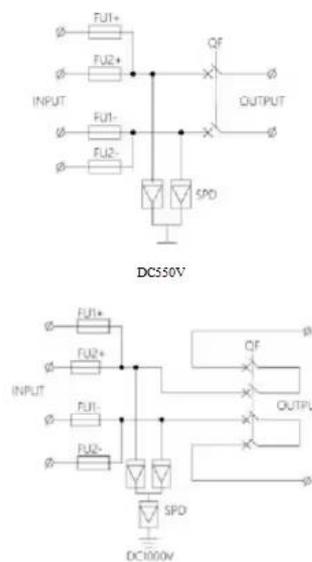
Specifications

Model	CSPVB/2-1
Electric parameter	
System maximum DC voltage	550 1000
Maximum input current for each string	35A
Maximum input strings	2
Maximum output switch current	2QA/32A
Maximum inverter MP PT	1
Number of Output strings	1
Lightning protection	
Category of test	Grade 2 protection
Nominal discharge current	20kA
Maximum discharge current	40 kA
Voltage protection level	2.8kV 3.8kV
Maximum continuous operating voltage Uc	630V 1050V
Poles	2P 3P
Structure characteristic	Plug-push module
System	
Protection grade	IP65
Output switch	DC circuit breaker
MC4R Waterproof Connectors	Standard
PV DC fuse	Standard
PV surge protector	Standard
Box material	Engineering plastics

Installation method	Weill mounting type
Operating Temperature	-25°C z + 55°C
Altitude	2km
Permissible relative humidity	0-95%, no condensation
Mechanical parameter	
Width x High x Depth (m m)	400x400)080

Condition and Installation

CSPVB/2-1 DC COMBINER BOX



FAQ

1. How many lines can be entered?

Under normal circumstances, 2in 1 out to 24 in 1 out

2. What is the operating temperature range?

-25°C~+55°C

3.What is the level of protection?

Protection grade IP65, can play a good dustproof and waterproof effect