

PV combiner box

PV combiner box is used to bring together the output DC current of the PV array. It will combine the same solar panels which in series to form a PV array, supporting the use of photovoltaic grid – connected inverter, so as to constitute a complete photovoltaic system, with the city electric grid.

Summarize

In the solar photovoltaic system, solar photovoltaic arrays to reduce the connection between the inverter, according to the characteristics of PV systems, Tress technology developed independently the TSB-CB PV combiner box, with the PV inverter products company to match the composition of the complete PV system solutions, which greatly simplify the wiring process, while inverter can operate under protection.

Combiner box for the collection of solar photovoltaic array outputs the DC current, the user can connect a number, the same specifications of PV panels in series to form a photovoltaic array, and then a number of PV arrays connected in parallel to the TLS-CB series combiner box, after then, the output comes through the DC circuit breaker and photovoltaic inverter, so as to constitute a complete photovoltaic power generation system, realization and power the grid.

Features

- * Simultaneous access to multiple photovoltaic arrays, each channel current up to 30A, to meet the needs of different users.
- * With reliable, lightning and surge protection, solar photovoltaic DC high voltage lightning protection device, all with positive doubt negative lightning protection function.

* Wide range DC voltage input; DC high voltage circuit breaker with professional pressure range of 200~900Vdc, safe and reliable.

* groups can simultaneously access PV array.

* The cover is water resistant.

* DC with high voltage fuses and circuit breakers were two security devices.

* Each array can be optional current monitoring on each channel of the current measurement and monitoring.

* Wall structure with outdoor rain shell protection grade to IP65, to meet the application requirements for outdoor installation.

* Installation and maintenance simple, convenient, long service life.

Technical Data

Input arrays	7
Fuse rating	20A
DC breaker	60A
Output terminal type	PG21
Protection degree	IP65
Environment temperature	—25~+60℃
Environment humidity	0~99%
Weight	5.5kg
Dimension(WHD)	450*215*105mm