

## DC combiner box for PV Array

### PV distribution box



#### Description:

DC combiner box for PV Array is installed between PV module and inverter, to reduce connecting line between PV module, DC power distribution cabinet, and inverter. lightning combiner Box for PV Array have the function of converging lightning protection, the counter-attack, waterproof, monitoring, corrosion prevention etc. withstand voltage  $\geq 1000\text{VDC}$ .

#### Feature:

- Dust prevention,
- Waterproof, corrosion prevention
- PV-specific SPD with good lightning protection performance.
- Famous brand core component, Special designed fuse for PV system.
- Easy in install and simple for maintenance.
- Remote monitoring and anti-reversion function.
- Wide DC input voltage range and max open-circuit voltage can be as high as 1000V.
- Design according to user needs for customization products.

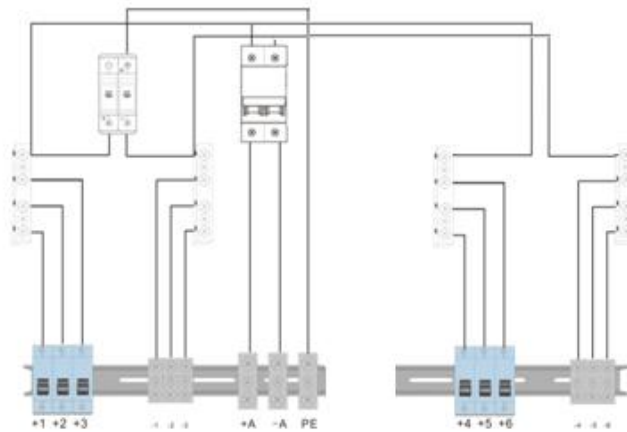
#### Application

DC combiner box is designed for Large-scale photovoltaic grid-connected power generation system To reduce the wiring between photovoltaic modules and the inverter, and improve reliability

#### Technical parameters

Model	SDDL-6-1
Lighning proection zone(LPZ)	1-2
Standards Compliance	IEC61643, EN60950
Classification	Class C/Type 2
<b>Photovoltaic parameters</b>	
Nominal working voltage Un	1000VDC
Max continuous operating voltage Uc	1500VDC
Single input short circuit curren	20A
Number of output ports	1
Number of input ports	6
<b>Lightning protection parameter</b>	
Nominal discharge current (8/20 $\mu\text{s}$ )	20KA

Maximum flow capacity (8/20 $\mu$ s)	40KA
Protection level (8/20 $\mu$ s) Up	<3000V
Response time tA	25ns
<b>Mechanical characteristics</b>	
Dimension	46*57*14cm
IP code	IP65
Working conditions	Temperature: -40 to 80 $^{\circ}$ C , Relative humidity: $\leq$ 95%

**Diagram:**

**Dimension:**
