



High Reliability

- Capable of breaking high voltage and current
- Specially designed PV components are selected
- Only one circuit breaker needs to be shut off for output, with safe and reliable operation

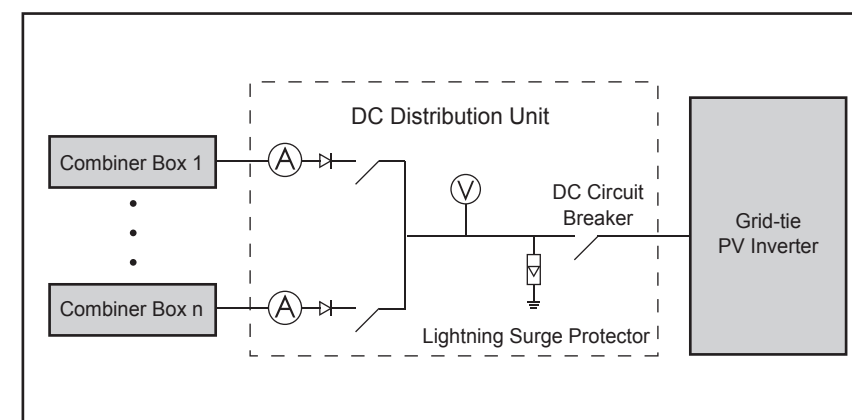
Broad Adaptability

- Cooling fans can be started and stopped automatically to adjust the temperature
- Strict high/low temperature test, suitable for a wide range of regions
- Optimized system routing and simple installation

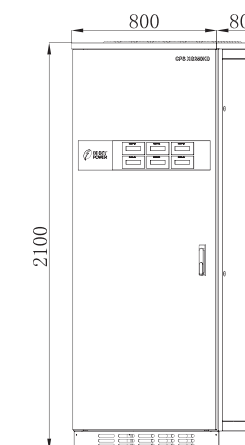
Flexible Configuration

- A number of configurations from 100kW to 300kW are available for the DC section of PV system
- The number of input/output loops can be customized based on the need of the customers
- As many as 8 loop ammeters can be installed. Different combinations are available to indicate current and voltage

Schematic Diagram



Dimensions (mm)



Technical Data

	CPS DPD150K	CPS DPD200K	CPS DPD250K	CPS DPD300K
Electric Data				
Max. DC Voltage	1000Vdc			
Input Current Range for Each String	125-63Adc			
Max. Input Strings	3-6	4-8	5-10	6-12
Nominal Output Current	300Adc	400Adc	600Adc	630Adc
Surge Protection				
Experimental Level	II			
In (8/20μs)	20kA			
Imax (8/20μs)	40kA			
Up	3.8kV			
Max. Operation Voltage	1000V			
Number of Poles	3P			
Design Features	Plug type modules for convenient replacement without power cut; Indication window for working status display; Remote telesignalisation is optional			
System				
Protection Degree	IP20 as Min. protection level for indoor use			
Operating Temperature Range	-25°C - +55°C			
Cooling	Forced cooling			
Altitude	4000m			
Humidity	0-95%, non-condensing			
Mechanical Data				
W×H×D (mm)	800×2100×806			
Weight (kg)	≤230			

PV DC Distribution Cabinet (150~300kW)

CPS PV DC Distribution Cabinet is used for the secondary current collection, i.e. the power from PV panel is first collected by PV combiner box, secondly DC distribution cabinet and then supplied to inverter. It is mainly used in large and medium PV systems. High quality electrical components are used for CPS PV DC distribution cabinet with an optimized structure design. Two 250kW PV DC distribution cabinets, used together with our 500kW inverter may present an elegant and professional appearance design and provide a complete PV system solution for the customers.

CPS DPD series DC distribution cabinet has a number of protection devices, such as DC circuit breaker, reverse charging-proof diode and lightning surge protector, etc. It has also the function to measure the current of a single input loop and bus voltage.

