



● WPPV-1S1 1000V DC String Combiner Box IP65

Description

This string combiner boxes are used in both small rooftop systems and large ground-mounted systems. The main tasks of the WPPVs are the surge protection of the photovoltaic system, collecting strings (if necessary), and looping through the protective equipotential bonding conductor for the local equipotential bonding.

Voltage: 1000 V DC;

Number of strings: 1

Type2 20/40kA surge protection device

Equipment with DC rotary isolator

IP65 Rated insulated enclosure

12 modules Enclosure

Type of cable entry: Cable gland



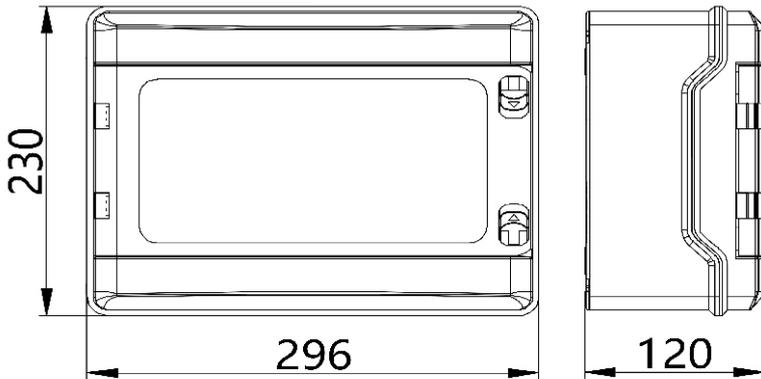
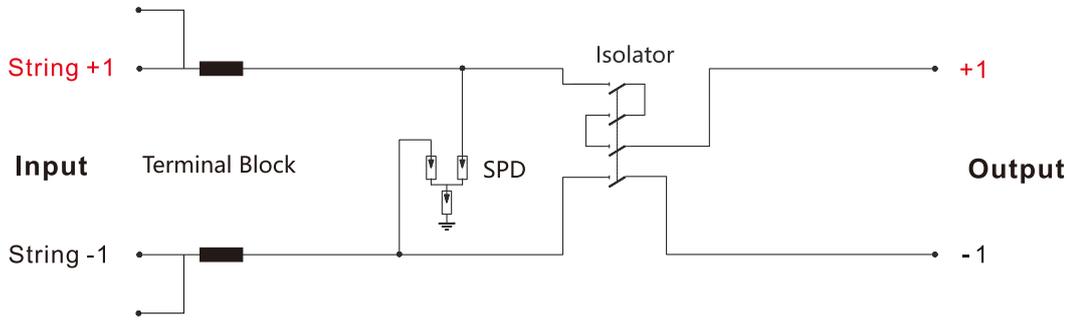
Product code	Description
WPPV-1S1	Weatherproof 1 String 1 output Plastic combiner box 1000Vdc c/w Type 2 surge protection device & DC rotary isolator

General	
Standard	EN61439-2
Voltage Un	Max. 1000 V dc
Open-circuit voltage UOC	Max. 1100 V dc
Current per string Imax	Max. 32A
Maximum Current Output	32A
Number of inputs	1 Strings
Number of outputs	1 String
Ambient temperature (operation)	-20 °C ... 65 °C
Enclosure Data	
Dimension(W×H×D)	296mm×230mm×120mm
Material of enclosure	Polycarbonate
Degree of protection	IP65
Degree of Resistance to Impacts	Ik10
Type of cable entry	Cable Gland

WRSPV45 DC switch disconnector	
Standard	IEC60947-1&3
Rated operating current DC-21B	45A
Rated operating current DC-PV1	45A
Rated operating current DC-PV2	45A
Rated impulse withstand voltage Uimp	8000V
WSPV1000 PV Surge protection device	
Type	Type2+3 (Class II,III)
Max. PV operating voltage Ucpv	1000 Vdc
Nominal discharge current (8/20µs)	20kA
Max. discharge current I(8/20µs)	40 kA
Protection level Up	≤3.5 kV
Short-circuit current rating ISCPV	32 A
Visual Indication	Green=Good, Red=Replace
Standards	IEC 61643-31 / EN 50539-11



1 Input 1 Output Diagram



WRSPV45 Switch disconnector

Uimp:8kV Ui:1500V Ith:45A IP20 IP66(with enclosure)

4T		4B		4S		PV1 PV2 DC-21B		
13 57	2 4 6 8	13 57	2 4 6 8	13 57	2 4 6 8	Ue	A2/A4	4T/B/S
						800V	32A	45A
						1000V	13A	45A
						1200V	13A	45A
						1500V	6A	25A

A2		A4	
13	24	13 57	2 4 6 8

CE UK CA

IEC/EN60947-1&3
Ambient Temperature: -40°C ~ +85°C

