



WPPV-2S2 1000V DC Metal 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 WMPVs 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: 2

Type2 20/40kA surge protection device

Equipment with DC rotary isolator

IP65 Rated Metal enclosure

9modules Enclosure

Type of cable entry: Cable gland



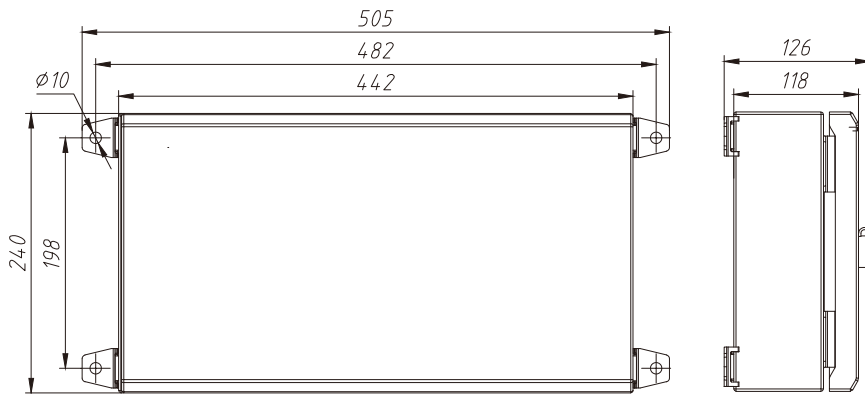
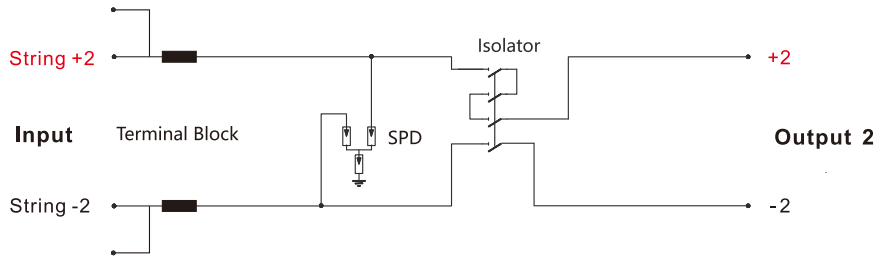
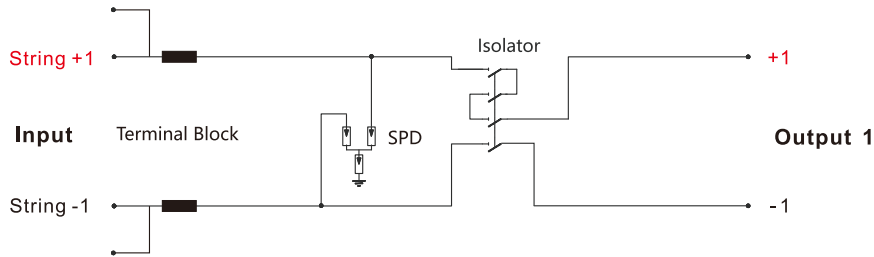
Product code	Description
WMPV-2S2	Weatherproof 2 String 2 output Metal combiner box 1000Vdc c/w Type 2 surge protection device & DC rotary isolator

General	
Standard	EN61439-3
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	2 Strings
Number of outputs	2 String
Ambient temperature (operation)	-20 °C ... 65 °C
Enclosure Data	
Dimension(W×H×D)	442mm×230mm×120mm
Material of enclosure	Metal
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



2 Input 2 Output Diagram



WRSPV45 Switch disconnecter

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

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

A2 **A4**

CE UK CA

IEC/EN60947-1&3

Ambient Temperature: -40°C ~ +85°C

