

RAND·PV

Combiner Box 12 Strings In, Dual Polarity Protection, Aluminum Enclosure - NEMA 4X

Custom Designed – Site Ready Installation

RPV Part Number:
CBDC-2P-12L/1-30A

Product Capacity:
1500VDC/400A
12 Strings In/1 String Out
Dual Polarity Fused

Aluminum Enclosure:
NEMA 4X Rated
UL 50E (2024)
Powder Coated
Corrosion and UV Resistant
Lockable Latches
Solid Aluminum Hinges
Stainless Steel Mounting
Hardware Included

DC Isolation Switch:
BH-400/2P
1500VDC 400A UL 98B

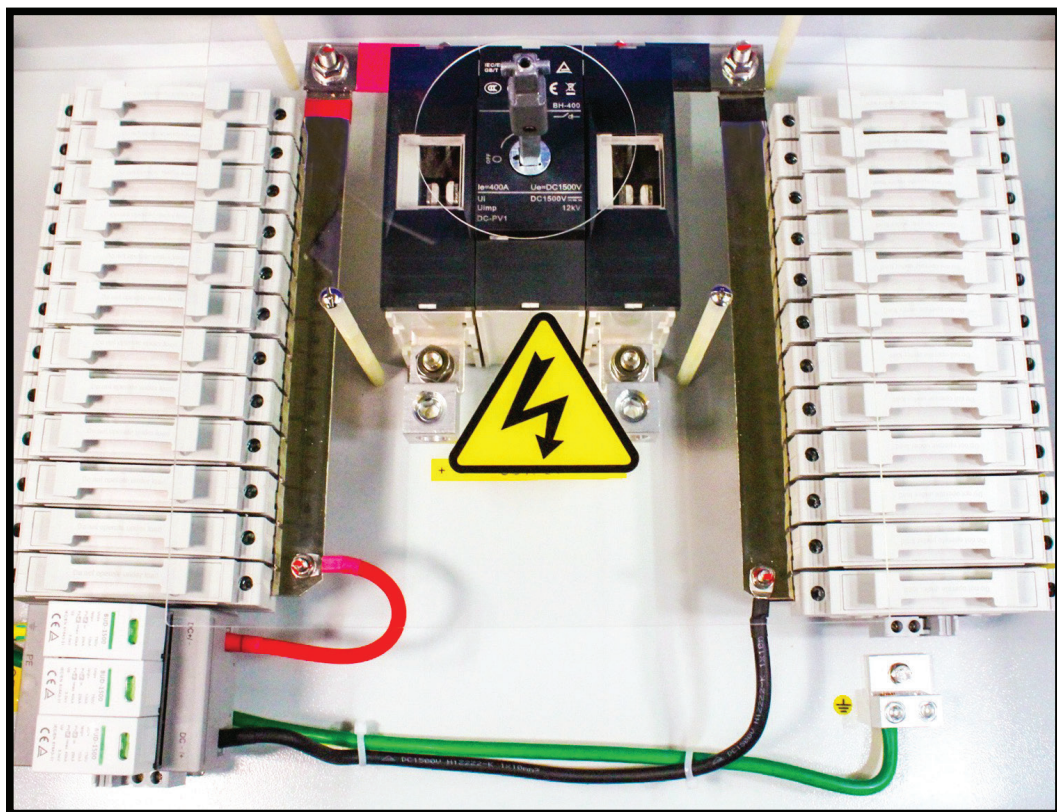
Surge Protection Device:
UL1449 Type 1 Listed SPD
1500VDC
40kA Surge Current Rating
Visual Fault Indicator
Remote Monitoring

Photovoltaic Fuses:
1500VDC/30A
UL Listed

Photovoltaic Fuse Holders:
Size: 10 x 85mm
1500VDC
UL Listed

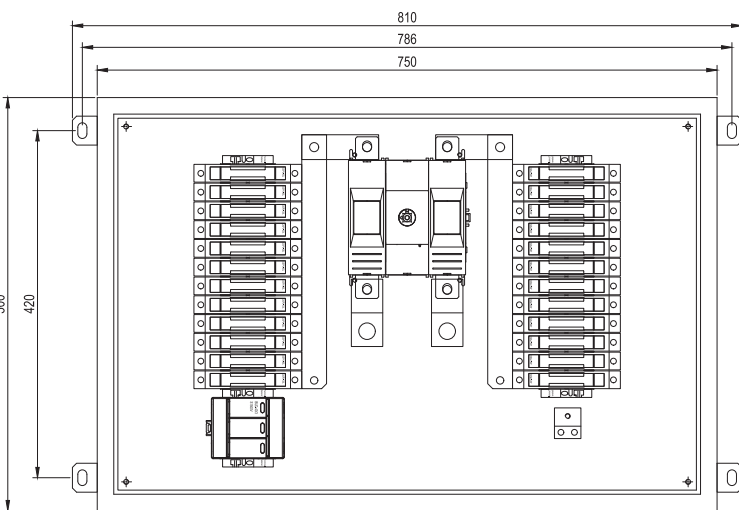
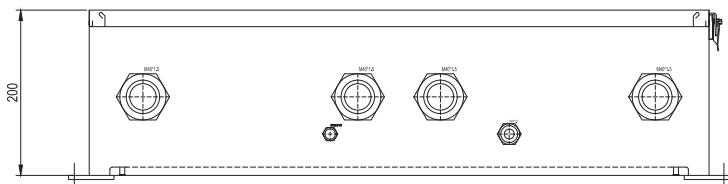
BusBar, Copper (Silver Plated):
400A Rating
Integrated Fuse Link

ETL Certification:
UL-1741 (2024)

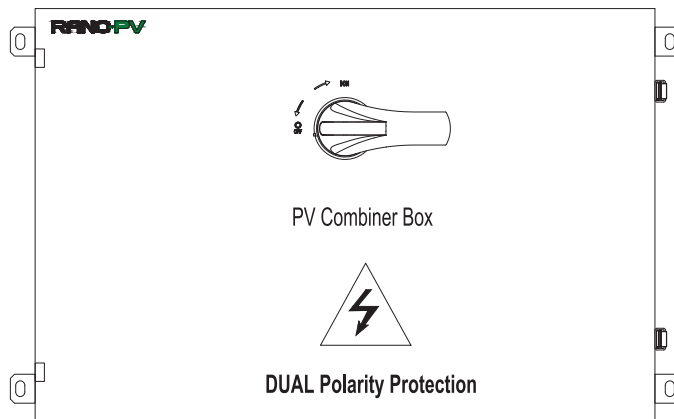


Enclosure Meets IP55, IP56, IP65, IP66, and IP67 certifications. Manufactured in accordance to ISO 14001, ISO 45001, ISO 9001, NABCEP, UL 1703, UL 1741.

RAND Energy, LLC guarantees the highest quality materials and craftsmanship while offering a limited 3 year or an optional 5 year warranty.
Note: This warranty excludes consumable materials, such as fuses, fuse links, SPD thermo-elements.

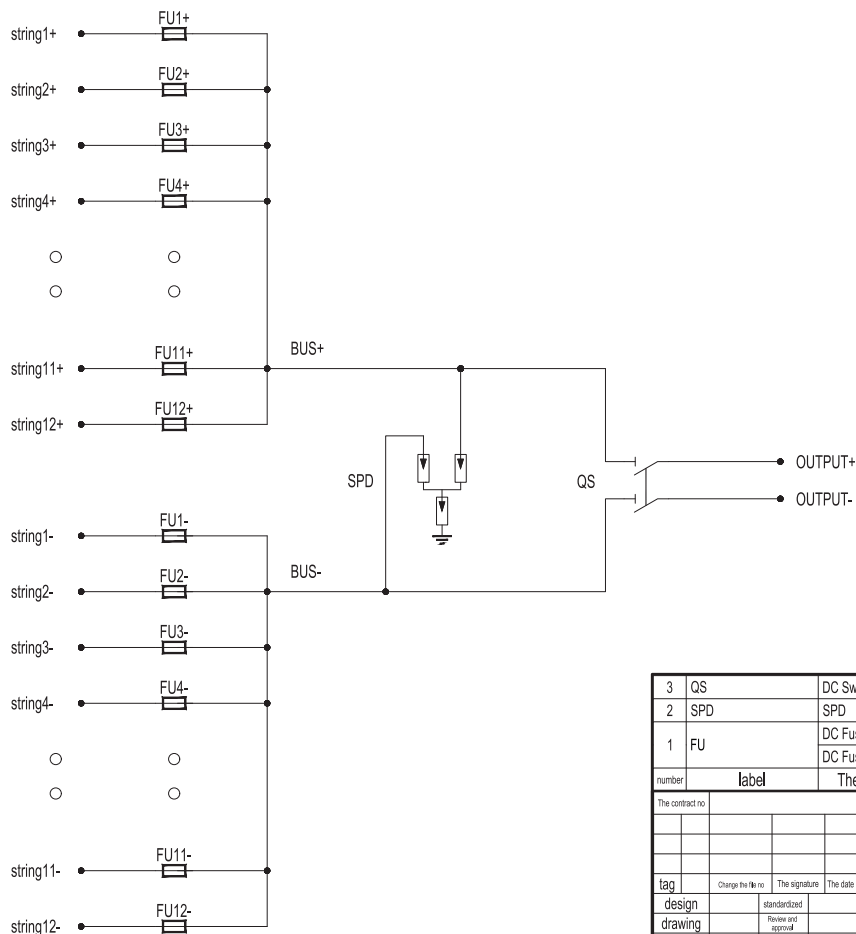


RAND·PV



number	label	The name of the	specifications	quantity	note
3		Vent Valve	SYFM12*1.5	1	
2		CABLE GLAND	M20 SEALING RANGE 6.7-12mm	1	
1		CABLE GLAND	M40 SEALING RANGE 23-32mm	4	

The contract no.		Tank no.		Factory number	RPV-CBDC-2P-xXL/1-xxA
tag	Change the file no.	The signature	The date of	RAND PV 12-Strings In/1 String Out, Dual Polarity Protection, Aluminum Enclosure Arrangement diagram RAND PV RAND ENERGY	
design		standardized			
drawing		Review and approval			
check		approval			
process		The date of			



3	QS	DC Switch	BH-400/2P DC1500V	1	
2	SPD	SPD	1500/3P DC1500V	1	
1	FU	DC Fuse Link	PV-30L In=30A DC1500V	24	
		DC Fuse Holder	PV-30L Imax=30A DC1500V	24	
number	label	The name of the	specifications	quantity	note
The contract no.		Tank no.		Factory number	RPV-CBDC-2P-xXL/1-xxA
tag	Change the file no.	The signature	The date of	RAND PV 12-Strings In/1 String Out, Dual Polarity Protection, Aluminum Enclosure Schematic diagram RAND PV RAND ENERGY	
design		standardized			
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