

RAND·PV

DC Disconnect 1500VDC/400A In1/Out1

Custom Designed – Site Ready Installation

RPV Part Number:
DCD-1500V/400A-Fused

Product Capacity:
1500VDC/400A
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
Non-Metallic Air Breather
IP67 Rating

DC Isolation Switch:
BH-400/2P
1500VDC 400A UL98B
2 Pole
Arc Extinguishing Chamber
Lockable Handle
Non-Polar Switch
Modular and Compact Design

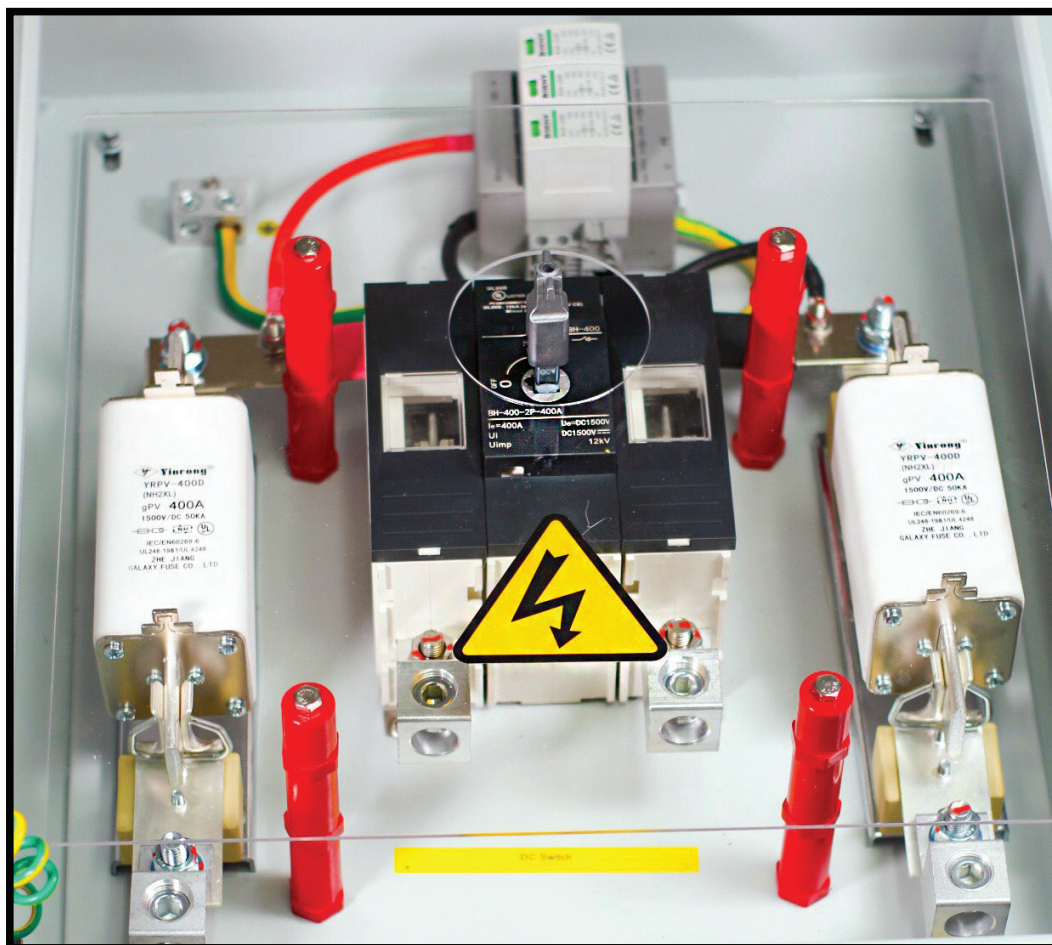
Surge Protection Device:
UL1449 Type 1 Listed
SPD 1500VDC
40kA Surge Current Rating
Visual Fault Indicator
Remote Monitoring

Fuse Links and Base:
1500VDC/400A NH2XL Solar PV
UL Listed

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

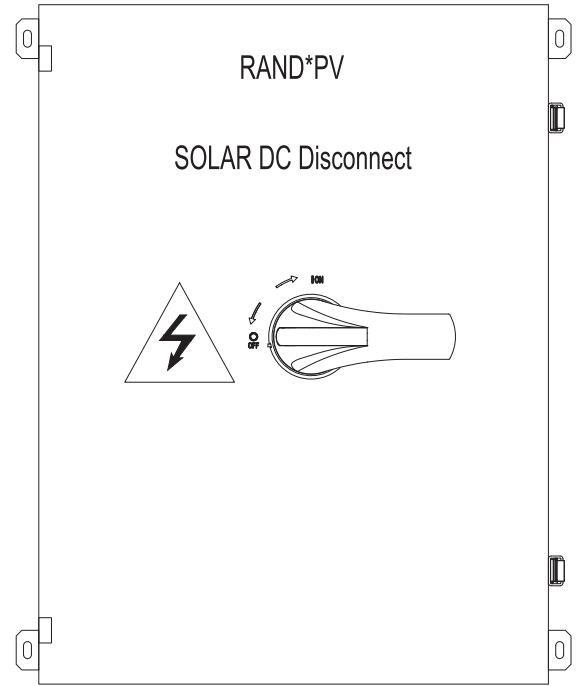
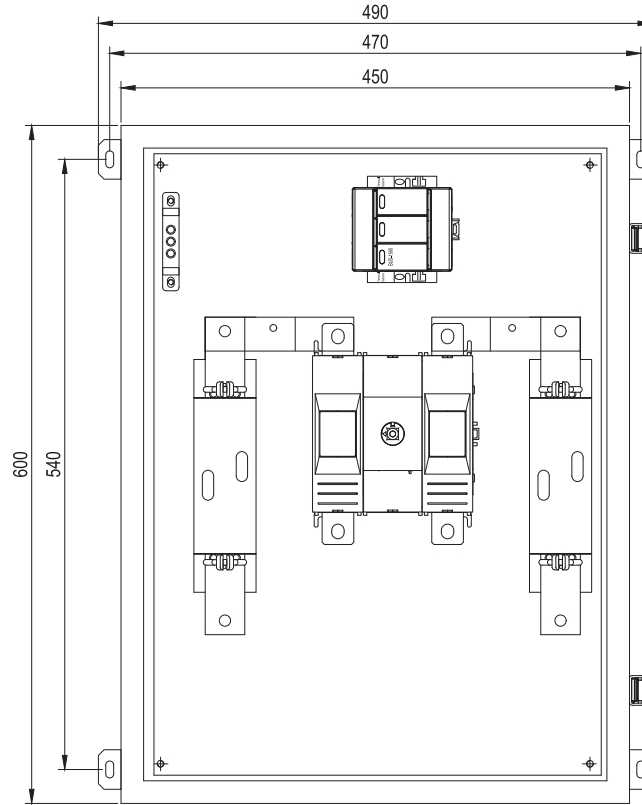
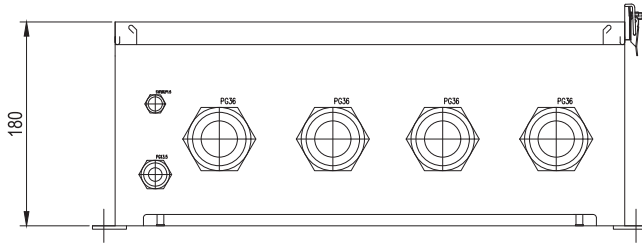
Cable Glands:
Clamping 16-21mm
UL Listed

ETL Certification:
UL-1741 (2024)



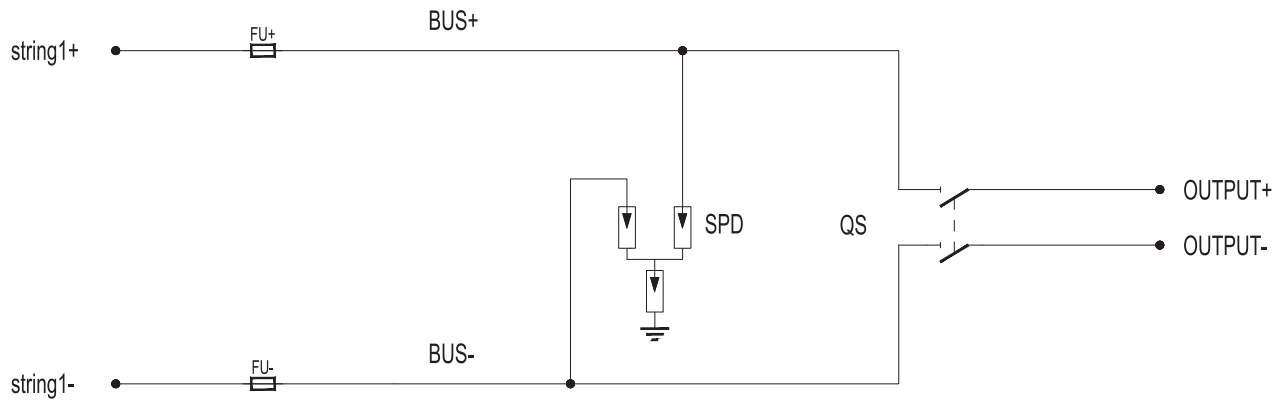
Enclosure Meets IP55, IP56, IP65, IP66, and IP67 certifications. Manufactured in accordance to ISO 14001, ISO 45001, ISO 9001, NABCEP, UL 1703, UL 1741.

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.



number	label	The name of the	specifications	quantity	note
3		Vent Valve	SYFM12*1.5	1	
2		CABLE GLAND	PG36 SEALING RANGE 23-32mm	4	
1		CABLE GLAND	PG13.5 SEALING RANGE 6.7-12mm	1	

The contract no.	Cabinet No.	Factory number
	RAND PV 1 Strings In/1 String Out, Dual Polarity Protection, PV Disconnect Box	RPV-DCD-1500V/400A-Fused
lag	Change the file no.	The signature
design	standardized	The date of
drawing	Review and approval	
check	approval	
process	The date of	
Arrangement diagram		RAND PV RAND ENERGY



number	label	The name of the	specifications	quantity	note
4		DC Fuse Link	1500VDC/400A	2	
3	FU	DC Fuse Holder	NH2XL 1500VDC/400A	2	
2	QS	DC Switch	BH-400/2P In=1500VDC/400A	1	
1	SPD	SPD	1500VDC	1	

The contract no.	Cabinet No.	Factory number
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lag	Change the file no.	The signature
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Schematic diagram		RAND PV RAND ENERGY