

PROJOY
electric
— Switch To Safety! —



Exposed Waterproof Electric Box



📍 No.90 Chunyao Rd, Xiangcheng District, Suzhou, Jiangsu, China
☎ +86 512 6620 4368 / +86 512 6878 6489
✉ sales@projoy-electric.com
🌐 www.projoy-electric.com

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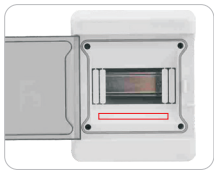
- The bottom shell, surface frame and the transparent cover are made of new PC material, which has good toughness, high strength, good impact resistance, and long service life.
- The product is waterproof, dust-proof, anti-corrosion, making it suitable for various indoor and outdoor places.

Advanced Features



IP65 Protection Level

1. The surface cover and bottom shell are wrapped with waterproof sealing strips, providing better waterproof performance
2. Fix screws in the waterproof strip to improve its waterproof performance



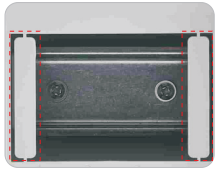
Reserved space for functional sticker

There is a space on the surface frame especially for functional stickers. After that, you can clearly view the component control area.



Latch function

Reserved for anti-theft lock



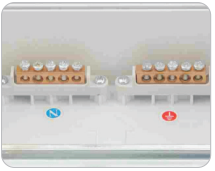
Circuit baffle structure

The circuit baffles on the left and right sides of the surface frame have a partial filling function and are easy to disassemble



Captive frame structure

Using captive screws and making sure the screws will not be lost when loosening the surface frame



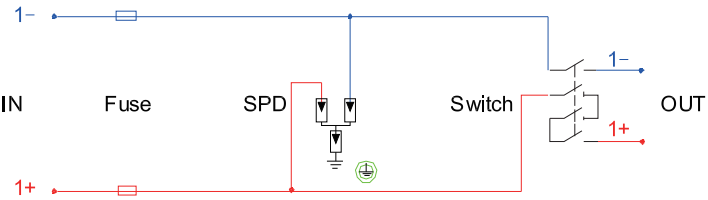
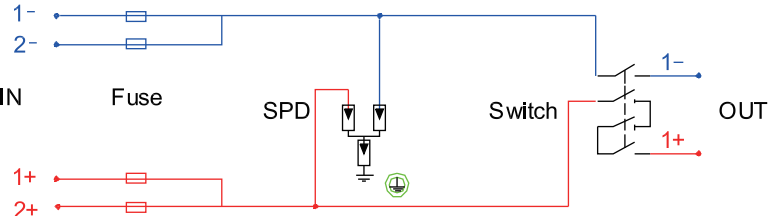
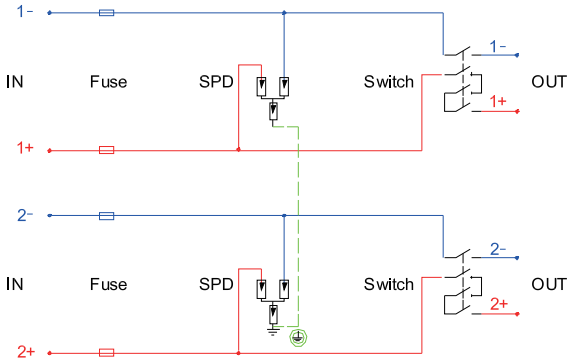
Copper terminal assembly

The terminal block can pass the 960°C glow wire test, its safety performance is guaranteed

4P Electric Box	6P Electric Box
9P Electric Box	13P Electric Box
15P Electric Box	18P Electric Box
26P Electric Box	39P Electric Box

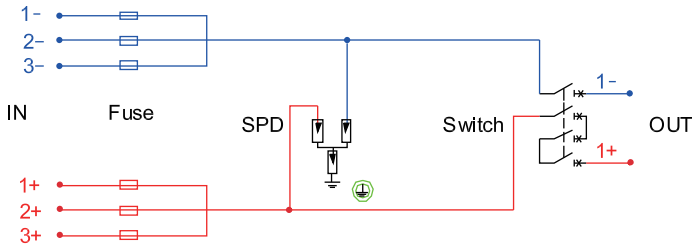
Unit: mm

Model	PEJB-1-1	PEJB-2-1	PEJB-2-2	PEJB-4-2	PEJB-3-1	PEJB-6-2
General Data						
Number of input strings	1 string	2 strings	2 strings	4 strings	3 strings	6 strings
Number of output strings	1 string	1 string	2 strings	2 strings	1 string	2 strings
Max.output operating voltage per string	1000V	1000V	1000V	1000V	1000V	1000V
Max.output operating current per string	15A	30A	15A	30A	45A	45A
Electric box						
Material type	Polycarbonate PC					
Protection level	IP65					
Impact protection level	IK08					
Box size (mm)	219×200×100 (9P)	296×230×120 (13P)	386×230×120 (18P)	296×390×130 (26P)	386×230×120 (18P)	296×550×130 (39P)
DC input cable spec.	10AWG	10AWG	10AWG	10AWG	10AWG	10AWG
DC output cable spec.	10AWG	10AWG	10AWG	10AWG	8AWG	8AWG
Wiring methods of input and output terminal	Waterproof gland (default), MC4 connector (optional)					
DC protection switch	DC Isolator				DC MCB	
Rated insulation voltage Ui	1500V				1200V	
Rated operating voltage Ue	1000V				1000V	
Rated operating current Ie	32A(per string input)、16A(two strings input)				63A	
Implementation standards	IEC/EN 60947-3				IEC/EN 60947-2	
Related certifications	TUV、CE、CB				TUV、CE、CB、SAA	
DC surge protector						
Max. Sustainable operating voltage Ucpv	1000V					
Max. discharge current Imax	40kA					
Structure	3P					
Usage category	T2 (default), T1+T2 (optional)					
Related certification	TUV、CE、CB					
DC fuse						
Rated operating voltage Ue	1000V					
Rated operating current Ie	15A					
Fusible core size (mm)	10×38mm					
Related certification	CE					
Operating environment						
Operating temperature	-20℃~+60℃					
Humidity	99%					
Altitude	2000M					
Installation method	Wall-mounted					

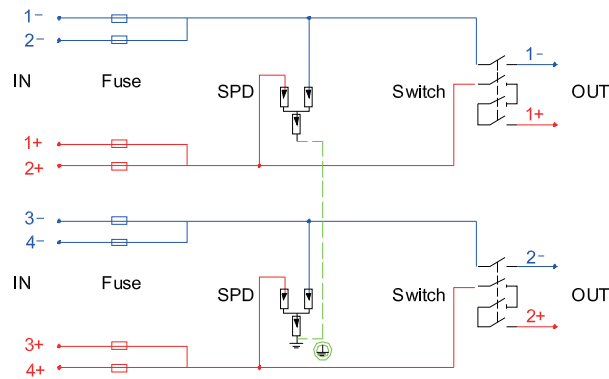
PEJB-1-1	
	
PEJB-2-1	
	
PEJB-2-2	
	

DC Electric Box

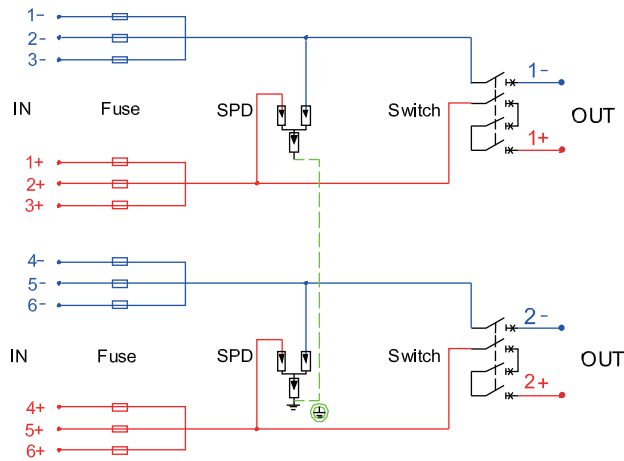
PEJB-3-1



PEJB-4-2



PEJB-6-2



AC Electric Box

Model	PEDB-S3	PEDB-S6	PEDB-T10	PEDB-T20
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General Data				
Rated operating voltage Ue	230 VAC	230 VAC	400 VAC	400 VAC
Rated operating current Ie	16 A	32 A	20 A	40 A

Electric box		
Material type	Polycarbonate PC	
Protection level	IP65	
Impact protection level	IK08	
Box size (mm)	219×200×100(9P)	386×230×120(18P)
DC input cable spec.	6mm ²	6mm ²
DC output cable spec.	6mm ²	6mm ²
Wiring methods of input and output terminal	Waterproof gland	

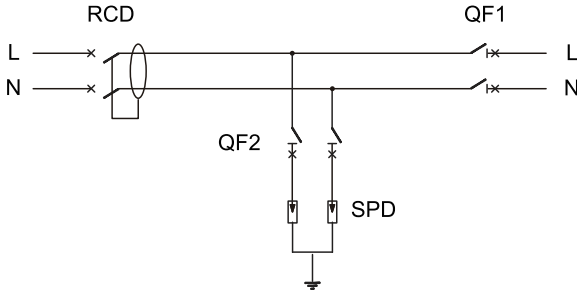
AC MCB				
Rated operating voltage Ue	230 VAC		400 VAC	
Rated operating current Ie	16A	32A	20A	40A
Poles	1P+N		4P	
Breaking capacity	4.5kA		6kA	
Implementation standards	IEC/EN 60947-2			
Related certifications	TUV、CE、CB、SAA			

RCCB				
Rated operating voltage Ue	230 VAC		400 VAC	
Rated operating current Ie	25A	40A	25A	40A
Poles	2P		4P	
Leakage type	A		A	
Residual current action value	100mA		100mA	
Implementation standards	IEC/EN 61008-1			
Related certifications	CE			

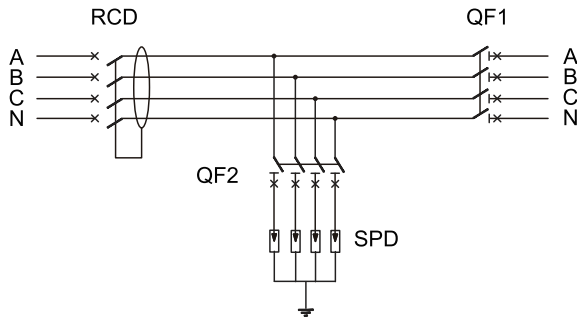
AC surge protector		
Max. Sustainable operating voltage Ucpv	275 VAC	440 VAC
Max. discharge current Imax	40kA	
Structure	1P+N	4P
Usage category	T2 (default), T1+T2 (optional)	
Related certification	CB、CE	

Operating environment				
Operating temperature	-20℃~+60℃			
Humidity	99%			
Altitude	2000M			
Installation method	Wall-mounted			

PEDB-S3 / PEDB-S6



PEDB-T10 / PEDB-T20



Model	PEJDB-1-1/S3	PEJDB-2-1/S6	PEJDB-2-2/T10	PEJDB-2-2/T20
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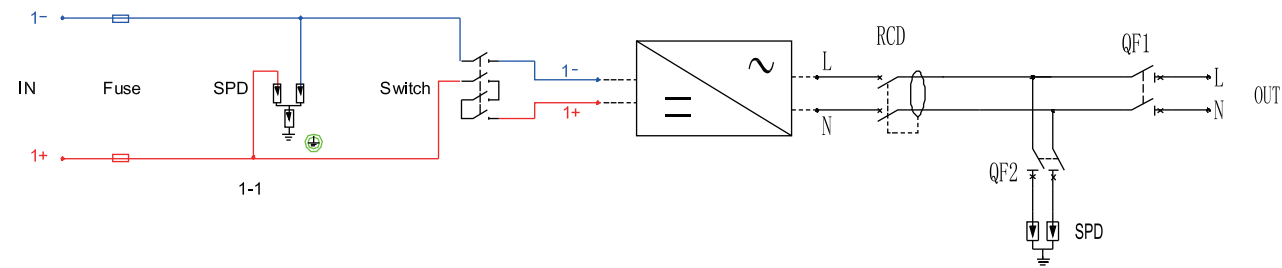
DC side parameters				
Number of input strings	1 string	2 strings	2 strings	2 strings
Number of output strings	1 string	1 string	2 strings	2 strings
Max.output operating voltage per string	1000V	1000V	1000V	1000V
Max.output operating current per string	15A	30A	15A	15A

AC side parameters				
Rated operating voltage Ue	230 VAC	230 VAC	400 VAC	400 VAC
Rated operating current Ie	16 A	32 A	20 A	40 A

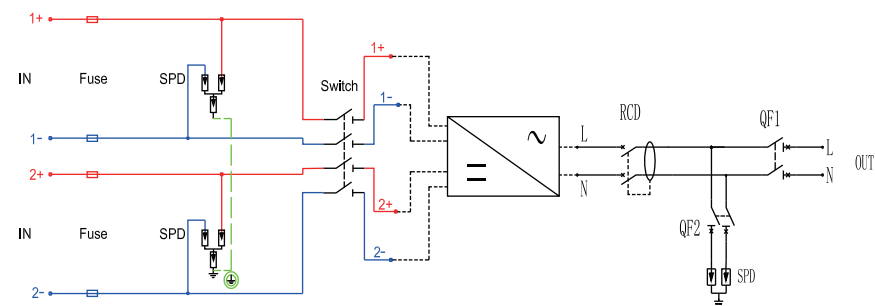
Electric box parameters			
Material type	Polycarbonate PC		
Protection level	IP65		
Impact protection level	IK08		
Box size (mm)	386×230×120(18P)	296×390×130(26P)	296×550×130(39P)
DC input cable spec.	10AWG		
DC output cable spec.	10AWG		
Wiring methods of input and output terminal	Waterproof gland (default), MC4 connector (optional)		

Other component parameters				
Reference model	PEJB-1-1 + PEDB-S3	PEJB-2-1 + PEDB-S6	PEJB-2-2 + PEDB-T10	PEJB-2-2 + PEDB-T20

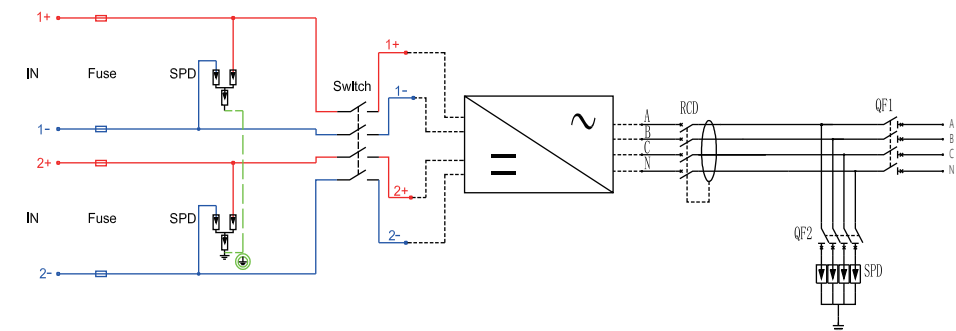
PEJDB-S3



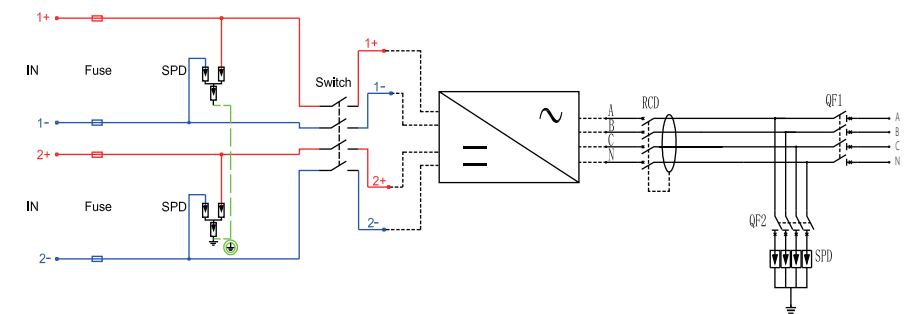
PEJDB-S6



PEJDB-T10



PEJDB-T20



Project cases



Netherlands



Puerto Rico



Puerto Rico



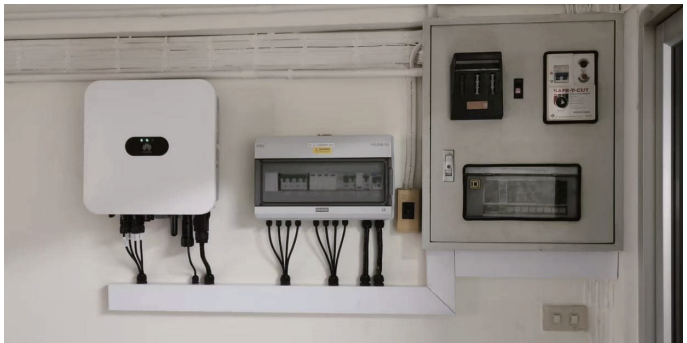
Spain



Australia



Thailand



Philippines

Projoy Selection Table

DC Side		AC Side	
Specification	☐ 1 in 1 out ☐ 2 in 1 out ☐ 2 in 2 out ☐ 3 in 1 out ☐ 4 in 2 out ☐ 6 in 2 out ☐ Other : _____	Specification	☐ 3kW (single phase) ☐ 6kW (single phase) ☐ 8kW (single phase) ☐ 10kW (three-phase) ☐ 20kW (three-phase) ☐ Other : _____
Single string input Rated operating voltage	☐ 600V ☐ 1000V ☐ 1500V ☐ Other : _____	Rated operating voltage	☐ 230V ☐ 400V ☐ Other : _____
Single string input Rated operating current	☐ 15A ☐ 20A ☐ 25A ☐ 30A ☐ Other : _____	Rated operating current	☐ 20A ☐ 25A ☐ 32A ☐ 40A ☐ 50A ☐ 63A ☐ Other : _____
Configuration	☐ Fuse + SPD + Isolator (See PEDB specification table for reference) ☐ Other : _____ (Please confirm with salesperson)	Configuration	☐ MCB + RCBO + SPD (See PEDB specification table for reference) ☐ Other : _____ (Please confirm with salesperson)
Waterproof joint	☐ Grant (default) ☐ MC4 ☐ Unnecessary	Waterproof joint	☐ Grant (default) ☐ MC4 ☐ Unnecessary
Other requirements	*Eg: cable, appearance, label, etc.	Other requirements	*Eg: cable, appearance, label, etc.

Note:
For AC and DC distribution box, please make selection on both sides:
Using American standard AWG cable by default, which meet UL10269, 105C, 1000V. If you have special cable requirements, please communicate with our salesperson in advance:
The default status of the waterproof joint is not installed. If installation is required, both parties should make a agreement in advance for possible damage due to goods transport.
Packaging is also customizable based on the quantity.