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– Switch To Safety! –

PROJOY SERIES

PV Electrical Boxes



PEDB Series AC Distribution Box

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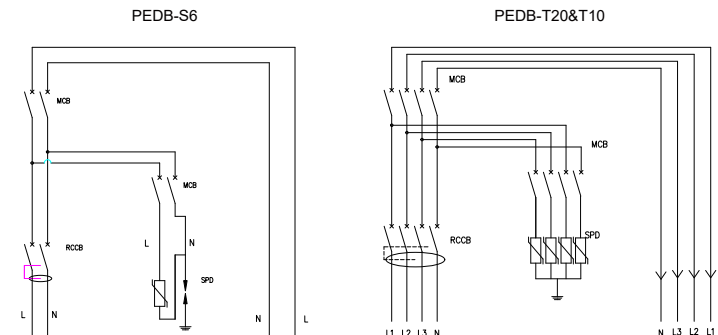
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Features

- Suitable for PV system, equipped with an AC breaker, an AC surge protector and an ac RCCB. providing isolation, leakage and grounding protection.
- Enclosures are made of polycarbonate (PC) materials. IK08 high impact-resistance and light enough to easily carry. IP65 rating for outdoor installation, resisting UV radiation, water, dust, reducing corrosion.
- Through transparency cover, you can observe interior mechanism directly.
- Reliable components, with TUV, CE certificated, in accordance with IEC standard.
- IP68 cable connector. Waterproof cable connector connector are optional.



Diagram



Technical Data

General Data				
Model	PEDB-S3	PEDB-S6	PEDB-T10	PEDB-T20
Nominal Voltage	230 VAC	230 VAC	400 VAC	400 VAC
Nominal Current	16 A	32A	20A	40A
Nominal Frequency	50 / 60 Hz			
Enclosure				
Material Type	PC+ABS			
Ingress Protection Rating	IP65			
Impact Protection Rating	IK10			
Poles	8P	8P	18P	18P
Input Cable Specification	4 mm ²	6 mm ²	4 mm ²	6 mm ²
Output Cable Specification	4 mm ²	6 mm ²	4 mm ²	6 mm ²
AC MCB				
Poles	1P+N	1P+N	4P	4P
Nominal Current	16 A	32A	20 A	40 A
Nominal Voltage	230 VAC	230 VAC	400 VAC	400 VAC
Breaking Capacity	4.5kA	4.5kA	6kA	6kA
Certification	CE			
AC SPD				
Nominal Voltage	275 VAC	275 VAC	440 VAC	440 VAC
Max. Discharge Current	40 kA			
Poles	1P+N		4P	
Certification	CE			
AC RCCB				
Poles	2P	2P	4P	4P
Nominal Current	25A	40A	40A	40A
Nominal Voltage	230V	230V	400V	400V
Type	AC (A Optional)			
Residual current	30mA (100mA/300mA Optional)			
Certification	CE			
Environment				
Operating Temperature	-20 °C to +60 °C			
Humidity	99%			
Altitude	2000 m			
Installation	Wall Mounting			

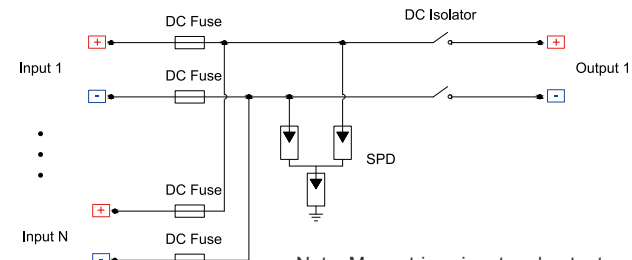
PEJB Series DC Junction Box



Features

- Suitable for 1 or 2 strings output PV system, equipped equipped with a DC surge protector, a DC fuse and a DC isolator, providing isolation, leakage and grounding protection.
- Enclosures are made of polycarbonate (PC) materials. IK08 high impact-resistance and light enough to easily carry. IP65 rating for outdoor installation, resisting UV radiation, water, dust, reducing corrosion.
- Through transparency cover, you can observe interior mechanism directly.
- Reliable components, with TUV, CE certificated, in accordance with IEC standard.
- IP68 cable connector. Waterproof cable connector & MC4 connector are optional.

Diagram



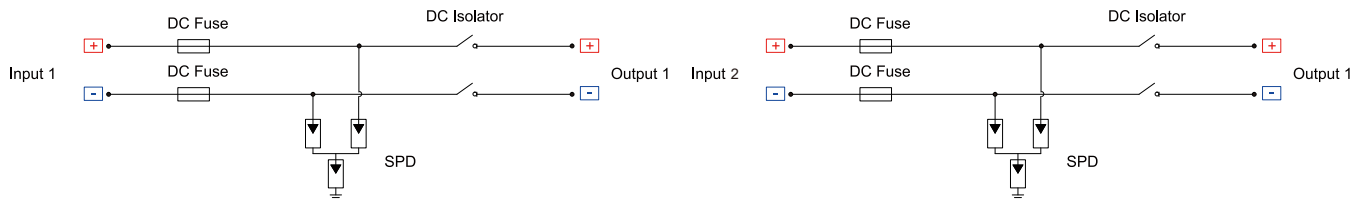
Note: More strings input and output or higher capacity of current and voltage in each string can be customized.

Technical Data

General Data			
Model	PEJB-1-1	PEJB-2-1	PEJB-3-1
Input	1 String	2 String	3 String
Output	1 String		
Max. Voltage	1000 V		
Max. Output Current	32A		
Enclosure			
Material Type	PC+ABS		
Ingress Protection Rating	IP65		
Impact Protection Rating	IK10		
Poles	8P	12P	18P
DC Input Cable Specification	4 mm ²	4 mm ²	4 mm ²
DC Output Cable Specification	4 mm ²	4 mm ²	6 mm ²
DC Surge Arrester			
Max. Operation Voltage	1000 V		
Max. Discharge Current	40 kA		
Poles	3P		
Certification	CE,TUV		
DC Disconnecter			
Nominal Insulation Voltage	1000 V		
Nominal Current	32A		
Category	DC-PV1/DC-PV2		
Standard	IEC/EN 60947-3		
Certification	CE,TUV,SAA,CB		
DC Fuse			
Nominal Operating Voltage	1000 V		
Nominal Current	15A		
Dimension	φ10 * 38 mm		
Certification	CE		
Operating Temperature	-20 °C to +60 °C		
Humidity	99%		
Altitude	2000m (Derating over 2000m)		
Installation	Wall Mounting		



Diagram



Note: More strings input and output or higher capacity of current and voltage in each string can be customized.

Technical Data

General Data			
Model	PEJB-2-2	PEJB-4-2	PEJB-6-2
Input	2 String	4 String	6 String
Output	2 String		
Max. Voltage	1000 V		
Max. Output Current	32A		
Enclosure			
Material Type	PC+ABS		
Ingress Protection Rating	IP65		
Impact Protection Rating	IK10		
Poles	18P	36P	36P
DC Input Cable Specification	4 mm ²	4 mm ²	4 mm ²
DC Output Cable Specification	4 mm ²	4 mm ²	6 mm ²
DC Surge Arrester			
Max. Operation Voltage	1000 V		
Max. Discharge Current	40 kA		
Poles	3P		
Certification	CE,TUV		

Technical Data

DC Disconnect	
Nominal Insulation Voltage	1000 V
Nominal Current	32A
Category	DC-PV1/DC-PV2
Standard	IEC/EN 60947-3
Certification	CE,TUV,SAA,CB
DC Fuse	
Nominal Operating Voltage	1000 V
Nominal Current	15A
Dimension	φ10 * 38 mm
Certification	CE
Environment	
Operating Temperature	-20 °C to +60 °C
Humidity	99%
Altitude	2000m
Installation	Wall Mounting

PEJDB Series Solar Junction & Distribution Box



Features

- Suitable for 1 string output PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.
- Enclosures are made of polycarbonate (PC) materials. IK08 high impact-resistance and light enough to easily carry. IP65 rating for outdoor installation, resisting UV radiation, water, dust, reducing corrosion.
- Through transparency cover, you can observe interior mechanism directly.
- Reliable components, with TUV, CE certificated, in accordance with IEC standard.
- IP68 cable connector. Waterproof cable connector & MC4 connector are optional.

Technical Data

General Data				
Model	PEJDB-S3	PEJDB-S6	PEJDB-T10	PEJDB-T20
DC Input	1 String	2 String	2 String	2 String
DC Output	1 String	2 String	2 String	2 String
Max. DC Voltage	1000 V			
Max. DC Output Current	600V 32A / 1000V 13A			
Nominal AC Voltage	230 VAC	230 VAC	400 VAC	400 VAC
Nominal AC Current	16 A	32A	20A	40A
Nominal Frequency	50 / 60 Hz			
Enclosure				
Material Type	PC+ABS			
Ingress Protection Rating	IP65			
Impact Protection Rating	IK10			
Poles	18P	24P	36P	36P
DC Input Cable Specification	4 mm ²	6 mm ²	4 mm ²	6 mm ²
DC Output Cable Specification	4 mm ²	6 mm ²	4 mm ²	6 mm ²
AC Input Cable Specification	4 mm ²	6 mm ²	4 mm ²	6 mm ²
AC Output Cable Specification	4 mm ²	6 mm ²	4 mm ²	6 mm ²
DC Disconnect				
Nominal Voltage	600 V	600 V	1000 V	1000 V
Nominal Current	600V 32A / 1000V 13A			
Category	DC-PV1/DC-PV2			
Standard	IEC/EN 60947-3			
Certification	CE,TUV,SAA,CB			

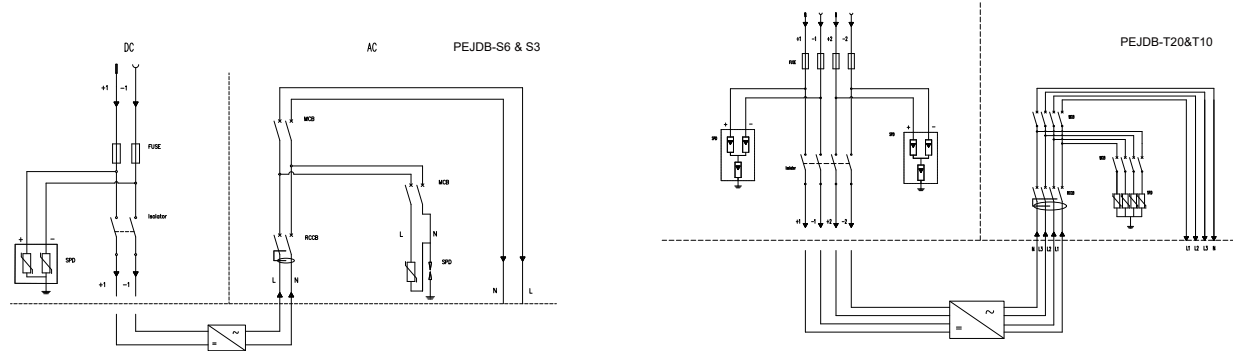
Technical Data

DC SPD				
Max. Operation Voltage	1000 V			
Max. Discharge Current	40 kA			
Poles	3P			
Certification	CE,TUV			
DC Fuse				
Nominal Operating Voltage	1000 V			
Nominal Current	15A			
Dimension	φ10 * 38 mm			
Certification	CE			
AC SPD				
Nominal Voltage	275 VAC	275 VAC	440 VAC	440 VAC
Max. Discharge Current	40 kA			
Poles	1P+N	1P+N	4P	4P
Certification	CE			
AC MCB	1P+N	1P+N	4P	4P
Poles	16A	32 A	20A	20A
Nominal Current	230 VAC	230 VAC	400 VAC	400 VAC
Nominal Voltage	4.5kA	4.5kA	6kA	6kA
Breaking Capacity	CE			
Certification				

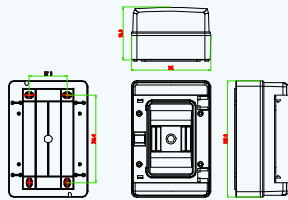
Technical Data

AC RCCB				
Poles	2P	2P	4P	4P
Nominal Current	25A	40A	40A	40A
Nominal Voltage	230V	230V	400V	400V
Type	AC (A Optional)			
Residual current	30mA (100mA/300mA Optional)			
Certification				
Environment				
Operating Temperature	-20 °C to +60 °C			
Humidity	99%			
Altitude	2000m (Derating over 2000m)			
Installation	Wall Mounting			

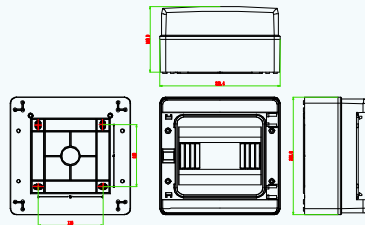
Contact Configuration



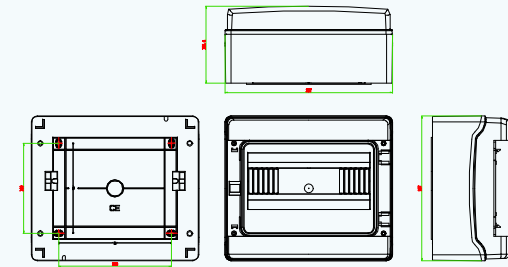
Dimensions



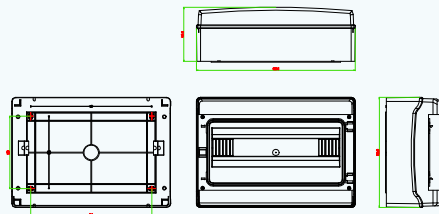
4 Pole



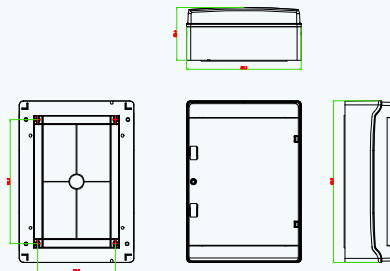
8 Pole



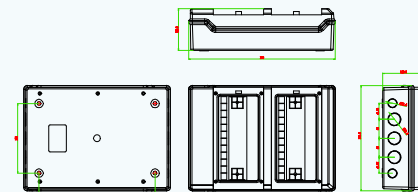
12 Pole



18 Pole



24 Pole



36 Pole



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ProJoy Electric Co., Ltd.

2nd Floor, Building 3, No. 2266, Taiyang Road, Xiangcheng District, Suzhou, China

Tel: +86 512 6878 6489 | Fax: +86 512 6878 6489

Email: sales@projoy-electric.com | www.projoy-electric.com