

DC Miniature
Circuit Breaker
PEBS-H/L Series

PROJOY
electric
– Switch To Safety! –

PROJOY
electric
– Switch To Safety! –

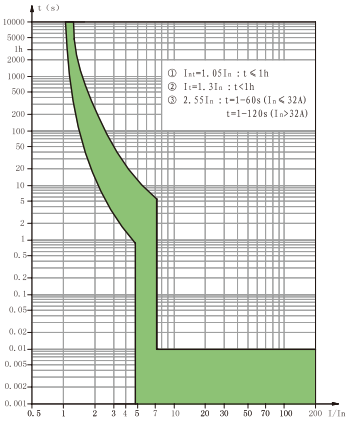
Select Code

PEBS	–	E	V	C	T	–	P
Projoy Energy BatteryBreaker		Catalog	Rated Voltage(V)	Rated Current(A)	Tripping Character		Poles
		L H	80 160 250 500 750 1000	10,16,20 25,32,40 50,63,80, 100,125	B C		1 2 3 4

Contact Configuration

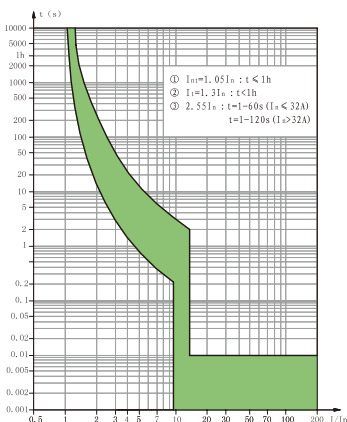
1P	2P	3P	4P

Tripping Characteristics



B Curve 4In(1±20%)

- Suitable for pure resistive load and microinductive circuit
- Available to rated current of 10A ~ 63A(63A Frame)
- Instantaneous tripping range: 4In±20%



C Curve 8In(1±20%)

- Suitable for general load and power distribution circuit
- Available to rated current of 10A ~ 63A(63A Frame)
- Instantaneous tripping range: 8In±20%

HIGH CRAFTSMANSHIP AND HIGH STANDARDS

Bright and Eye-catching

In line with the working habits of firefighters, it is conducive to quickly locate the operating location.



Small
Volume



Short circuit
Protection



Overload
Protection



Flame
Retardant



High Breaking
Capability



Arcing
Short



Complete
Accessories



Multiple
Wiring

Technical data

PEBS-H-63

According to EN60947-2, AS/NZS IEC 60947.2: 2015.					
Pole		1P	2P	3P	4P
Rated Working Voltage Ue		250 V DC	500 V DC	750 V DC	1000 V DC
Frame Current		63A			
Rated Current In		63A, 50A, 40A, 32A, 25A, 20A,16A,10A			
Rated Insulation Voltage Ui		1000V			
Rated Impulse Withstand Voltage Uimp		6kV			
Tripping Characteristics		B/C			
Tripping Type		Thermal Magnetic			
Rated Ultimate Short-Circuit Breaking Capacity Icu		6kA			
Rated Service Short-Circuit Interrupting Capacity Ics		6kA			
Electrical Life	Actual	> 1500 Cycles			
	Standard	300 Cycles			
Mechanical Life	Actual	>10000 Cycles			
	Standard	9700 Cycles			
Overvoltage Category		III			
Pollution Degree		3			
Ingress Protection		IP40; Wiring port IP20			
Resistance to humidity and heat		Class 2			
Relative Humidity		≤ 95 %			
Vibration		acc. to IEC60068-2-6			
Shocks		acc. to IEC60068-2-27			
Terminal capacity		2.5~35mm²			
Fastening Torque of Terminals		2.0 ~ 3.5 Nm			
Ambient Temperature		-30°C~70°C			
Storage Temperature		-40°C~85°C			
Installation Method		DIN			
Elevation		≤2000m			
Dimension		Width:72mm			
		High: 87.5mm			
		Depth: 81mm			
Weight		0.12kg/Pole			

Package Information					Storage
Current	Pole	Box	Carton	Pallet	Products should be stored in the warehouse where there is ventilation. The relative humidity there should not exceed 80%, and the ambient temperature there is between -40 C to + 85 C . In addition, there should not be acidic, alkaline and corrosive gas in the air. Products should not be deposited more than 5 years in the above mentioned conditions since the producing date.
63A/32A	1P	12	8	80	
	2P	6	8	80	
	3P	4	8	80	
	4P	3	8	80	

Order Choosing Specification													
Client Information:													
Rated Current (A)								Trip Type		No. of Pole			
☐ 63	☐ 50	☐ 40	☐ 32	☐ 25	☐ 20	☐ 16	☐ 10	☐ B	☐ C	☐ 1	☐ 2	☐ 3	☐ 4
☐ 63	☐ 50	☐ 40	☐ 32	☐ 25	☐ 20	☐ 16	☐ 10	☐ B	☐ C	☐ 1	☐ 2	☐ 3	☐ 4
☐ 63	☐ 50	☐ 40	☐ 32	☐ 25	☐ 20	☐ 16	☐ 10	☐ B	☐ C	☐ 1	☐ 2	☐ 3	☐ 4
☐ 63	☐ 50	☐ 40	☐ 32	☐ 25	☐ 20	☐ 16	☐ 10	☐ B	☐ C	☐ 1	☐ 2	☐ 3	☐ 4

PEBS-H-125

According to EN60947-2, AS/NZS IEC 60947.2: 2015.					
Pole		1P	2P	3P	4P
Rated Working Voltage U _e		250 V DC	500 V DC	750 V DC	1000 V DC
Frame Current		125A			
Rated Current I _n		63A, 80A, 100A, 125A			
Rated Insulation Voltage U _i		1000V			
Rated Impulse Withstand Voltage U _{imp}		6kV			
Tripping Characteristics		B/C			
Tripping Type		Thermal Magnetic			
Rated Ultimate Short-Circuit Breaking Capacity I _{cu}		15kA(I _n ≤100A), 10kA(I _n =125A)			
Rated Service Short-Circuit Interrupting Capacity I _{cs}		10kA(I _n ≤100A), 7.5kA(I _n =125A)			
Electrical Life	Actual	> 1500 Cycles			
	Standard	300 Cycles			
Mechanical Life	Actual	> 10000 Cycles			
	Standard	9700 Cycles			
Overvoltage Category		III			
Pollution Degree		3			
Ingress Protection		IP40; Wiring port IP20			
Resistance to humidity and heat		Class 2			
Relative Humidity		≤ 95 %			
Vibration		acc. to IEC60068-2-6			
Shocks		acc. to IEC60068-2-27			
Terminal capacity		2.5~35mm²			
Fastening Torque of Terminals		2.0 ~ 3.5 Nm			
Ambient Temperature		-30°C~70°C			
Storage Temperature		-40°C~85°C			
Installation Method		DIN			
Elevation		≤2000m			
Dimension	Width:89mm				
	High: 75.5mm				
	Depth: 108mm				
Weight					

Technical data

PEBS-L

According to EN60947-2, AS/NZS IEC 60947.2: 2015.				
Pole		1P		2P
Rated Working Voltage Ue		80V DC		80V DC / 160 V DC
Frame Current		63A		125A
Rated Current In	63A Frame	10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A		
	125A Frame	63A, 80A, 100A, 125A		
Rated Insulation Voltage Ui		500V		
Rated Impulse Withstand Voltage Uimp		6kV		
Tripping Characteristics		B/C		
Tripping Type		Thermal Magnetic		
Rated Ultimate Short-Circuit Breaking Capacity Icu		10kA		
Rated Service Short-Circuit Interrupting Capacity Ics		7.5kA		
Electrical Life	Actual	500 Cycles (63A Frame), 500 Cycles (125A Frame)		
	Standard	300 Cycles		
Mechanical Life	Actual	10000 Cycles (63A Frame), 10000 Cycles (125A Frame)		
	Standard	9700 Cycles		
Overvoltage Category		III		
Pollution Degree		3		
Ingress Protection		IP40; Wiring port IP20		
Resistance to humidity and heat		Class 2		
Relative Humidity		≤ 95 %		
Vibration		acc. to IEC60068-2-6		
Shocks		acc. to IEC60068-2-27		
Terminal capacity		2.5~35mm²		
Fastening Torque of Terminals		2.0 ~ 3.5 Nm		
Ambient Temperature		-30°C~70°C		
Storage Temperature		-40°C~85°C		
Installation Method		DIN		
Elevation		≤2000m		
		Width:72mm	Width:89mm	
Dimension		High: 87.5mm	High: 75.5mm	
		Depth: 81mm	Depth: 108mm	
Weight		0.12kg/Pole		

Package Information					Storage
Current	Pole	Box	Carton	Pallet	Products should be stored in the warehouse where there is ventilation. The relative humidity there should not exceed 80%, and the ambient temperature there is between -40 ℃ to + 85 ℃. In addition, there should not be acidic, alkaline and corrosive gas in the air.
125A	1P	10	8	60	
	2P	5	8	60	
63A	1P	12	8	80	
	2P	6	8	80	Products should not be deposited more than 5 years in the above mentioned conditions since the producing date.

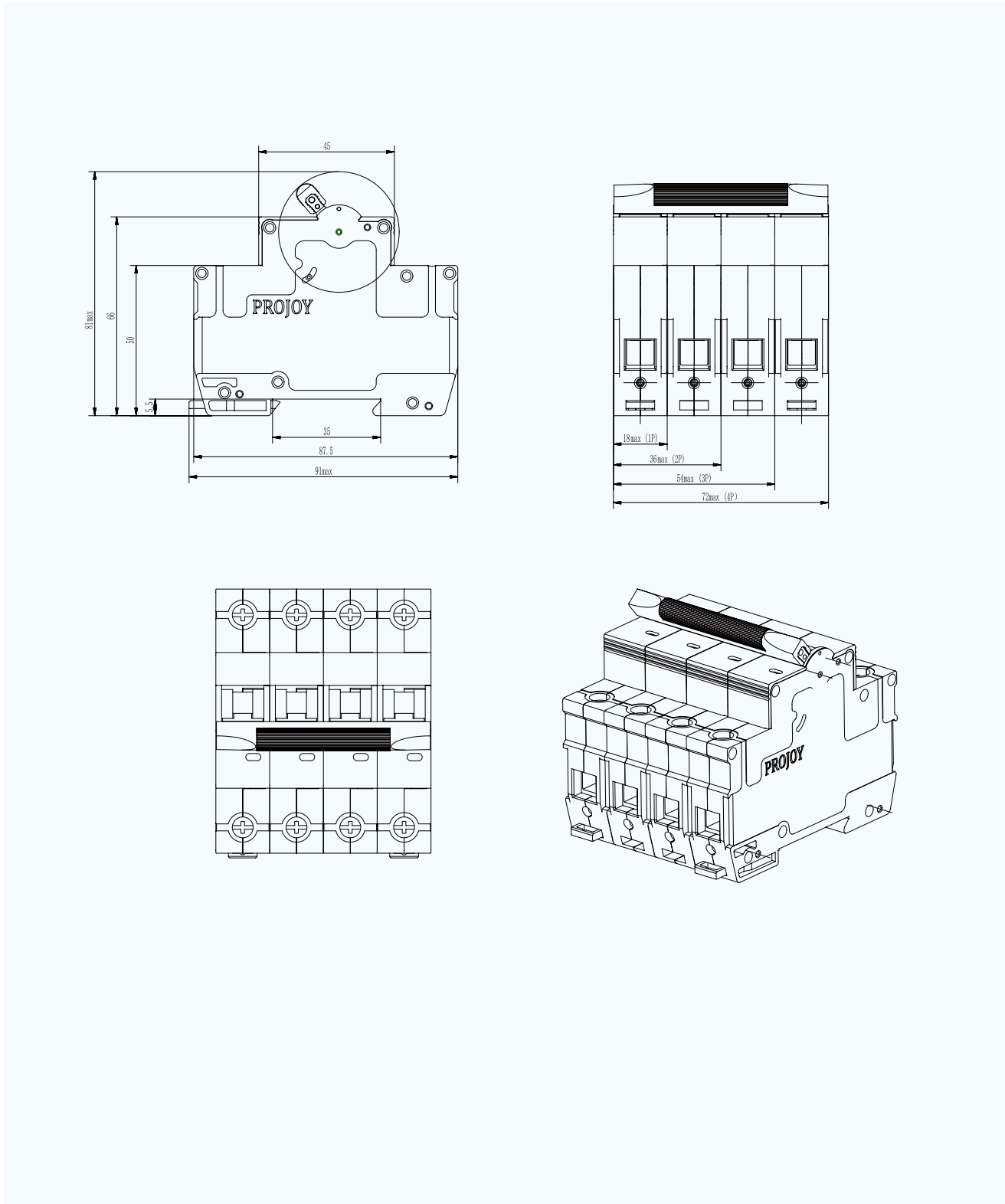
Order Choosing Specification

Client Information:

Note: One pole for 80V, 2 poles for 80V or 160.

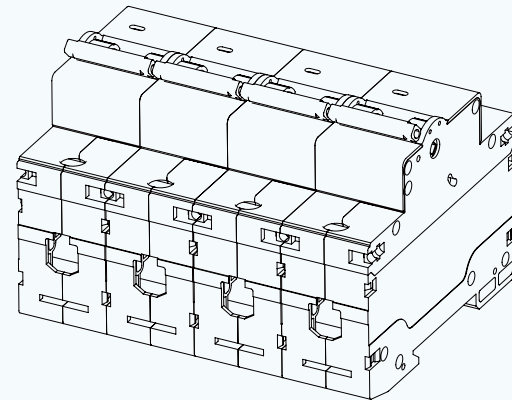
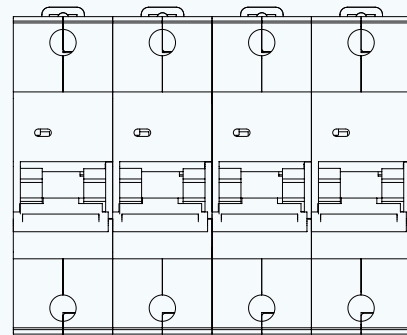
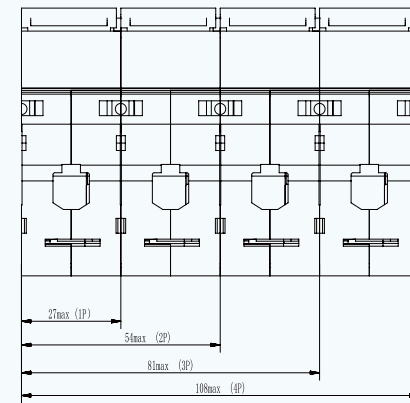
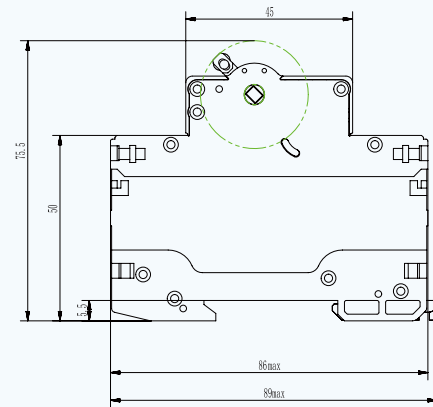
Rated Current (A)										Trip Type	Voltage	No. of Pole	Quantity	Delivery Date
63AFrame	☐ 63	☐ 50	☐ 40	☐ 32	☐ 25	☐ 20	☐ 16	☐ 10		☐ B ☐ C	☐ 80 ☐ 160	☐ 1 ☐ 2		
125AFrame	☐ 125	☐ 100	☐ 80	☐ 63						☐ B ☐ C	☐ 80 ☐ 160	☐ 1 ☐ 2		
63AFrame	☐ 63	☐ 50	☐ 40	☐ 32	☐ 25	☐ 20	☐ 16	☐ 10		☐ B ☐ C	☐ 80 ☐ 160	☐ 1 ☐ 2		
125AFrame	☐ 125	☐ 100	☐ 80	☐ 63						☐ B ☐ C	☐ 80 ☐ 160	☐ 1 ☐ 2		

Dimensions



Dimensions

PEBS-H/L-125



PROJOY
electric
— Switch To Safety! —

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

WEATHERPROOF ENCLOSURE

Weatherproof Enclosure with DC mini circuit breaker inside is vitally important party of any solar installation. With capacities of load isolation and overload/ short circuit protection, is designed for PV, energy storage and other DC applications, mainly placed between batteries and hybrid inverters. This enclosure meets all the required standards and has been classed as IP66. With DIN rail circuit breakers completed with a spring loaded lockable lid inside. It is applicable for special waterproof, dust-proof and corrosion-proof locations with top and bottom cable entry.



ADVANTAGES

- 100% PC Enclosure in Series
- Flame Retardant PC Enclosure
- All True DC Components for PV Protection
- Customized and AC Optional
- 5 Years Warranty

Technical Data

DC MCB	Up to 1000Vdc and 80Adc
Enclosure Material	100% poly-carbonate, Anti-UV protection
Installation	Out-door and In-door IP66
Enclosure Size	107×212×92(mm)

