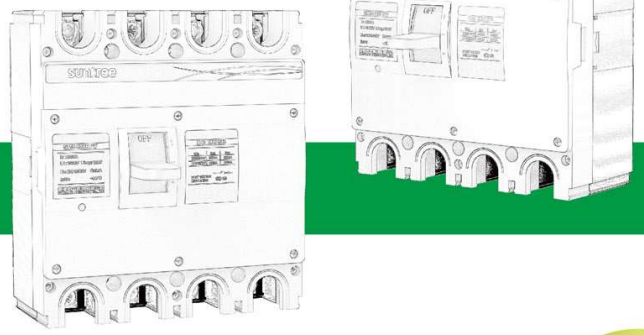
suntree
human technology nature



DC MCCB
1500V

Main function

With overload delay protection, short circuit instantaneous protection, used to distribute electric energy, protect circuit and the power supply equipment from the danger of overload,short circuit etc.

Application

Suitable for circuits below 1500VDC
cabinet/combiner box/photovoltaic system

Model and significance

SM8	-	630	H	/	PV	DC1500V	630
Product code M C C B		case grade:630	Breaking capacity: H(15kA)		PV code: DC dedicated	Rated working voltage: DC1500V	Rated working current: 100/125/160/200/225/250/400/500/630A

Auxiliary contact specifications

AX	-	630PV
Attachment code		Case grade code

Alarm contact specifications:L630PV

AX	-	630PV
Attachment code		Case grade code

Shunt release specification

SHT	-	630HPV	R	AC230V
Attachment code		Case grade code	Accessory installation location: installation right	Control voltage: DC24V/AC230V/AC400V

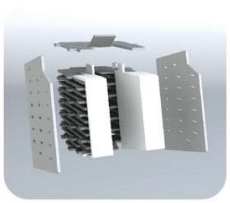


DC MCCB

S M 8 - 6 3 0 H P V

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Advantages and certification



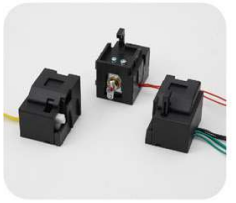
Labyrinth arc extinguisher

Prevent the spread of arcs in current surges



Built-in double row moving contacts

Increase the arc voltage



Easy to install accessories

Realize multiple protections (excitation, auxiliary, alarm etc.)



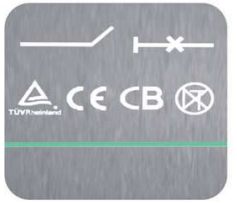
Base is made of DMC material

V0 flame retardant



630A frame size with arc shield

Effectively isolate the external arc



International Certification

TUV、CE、CB

The role of installation accessories



Shunt release installation position (place B)

Communicate the working status information of the circuit breaker



Auxiliary (place A)

Communicate the working status information of the circuit breaker



Alarm (place A)

while problem comes to the line, then the alarm signal will be issued after the trip

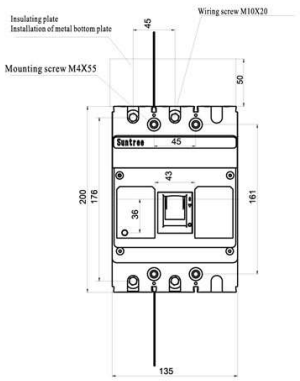


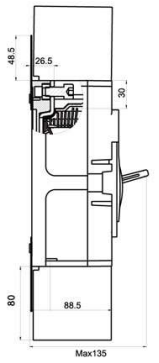
Specifications

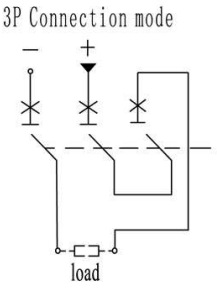
Model	SM8-250HPV /3 1500V	SM8-630HPV /4 1500V
Product name	PV DC MCCB	PV DC MCCB
Rated operational voltage	DC1500V	DC1500V
Nominal insulation voltage	1500V	1500V
Rated impulse voltage	12kV	12kV
Pole	3	4
Type of release	Thermal magnetic type (thermal magnetic not adjustable)	
Executive standard	GB14048.2, IEC/EN 60947-2	
Use category	A(PV-1)	
Case grade current	250A	630A
Rated operational current	100/125/160/200/225/250A	400/500/630A
Breaking capacity	H	
Rated ultimate short-circuit breaking capacity	Ue1500v 15kA	Ue1500v 30kA Ue1500v 30kA
Operation breaking capacity	Ue1500v 15kA	Ue1500v 30kA Ue1500v 30kA
Long delay protection	1In	
Instantaneous protection	6In (Min1000A)	
Mechanical life	10000times	
Electrical life	2000times	
Dimensions	135×200 × 86mm	Type H:310×240×155mm Type G:350×240×155mm
Installation method	Fixed	Fixed
Protection level	Wiring port: IP20/all sides: IP40	
Relative humidity	+50℃ not more than 95%	
Whether there are wiring polarity requirements	No	
Pollution level	Level 3	
Operating temperature	-40℃ -+75℃	
Operation instructions	With ON/OFF indication	
Whether the release is adjustable	No	
Electrical accessories	Optional: shunt/auxiliary/alarm (note: only one set can be installed on the left and right sides of auxiliary, alarm and shunt) 2P only on the left	
Isolation function	yes	

Dimensions and wiring

Shape and installation dimensions
3P Dimension:







power/load wiring manner
4P Dimension:

