MODEL AND SIGNIFICANCE

SM8 – 630 H / PV DC1500V 630

Company Code	Circuit Breaker	Breaking capacity: 15Ka	PV code:DC dedicated	Rated working voltage: DC1000V / DC1500V	Rated working current: 400-630A

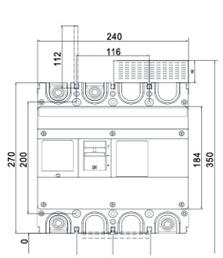
GENERAL PARAMETERS

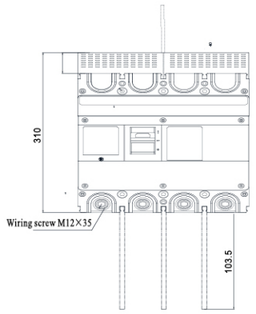
- Suitable for large solar photovoltaic power plants
- This circuit breaker has overload long delay and short-circuit instantaneous protection functions, which are used to distribute electrical energy and protect the circuit and power equipment from overload, short circuit and other fault hazards
- High current, can be used to protect batteries

INSTALLATION PRECAUTIONS

- In a medium without explosion risk and free of gases and dust(including conductive dust) sufficient to corrode metal and destroy insulation
- In the condition with no snow erosion
- It can be installed horizontally and vertically
- The magnetic field of the installation position shall not exceed 5 times the geomagnetic field in any direction;
- It should not be installed in flammable and explosive places
- There should be no significant impact and vibration at the installation place

DIMENSIONS (mm)





DC MCCB

- SM8-630HPV / 4P 1500V



ELECTRICAL PARAMETERS

Product Model	SM8-630HPV /4P 1500V
Product name	PV DC MCCB
Rated operational voltage	DC1500V
Nominal insulation voltage	1500V
Rated impulse voltage	12kV
Pole	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	630A
Rated operational current	400/500/630A
Breaking capacity	H
Rated ultimate short-circuit breaking capacity	Ue1500v 30kA Ue1500v 30kA
Operation breaking capacity	Ue1500v 30kA Ue1500v 30kA
Long delay protection	1In
Instantaneous protection	6In (Min1000A)
Mechanical life	10000times
Electrical life	2000times
Dimensions	Type H:310×240×155mm Type G:350×240×155mm
Installation method	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