

SM8-250HPV DC MCCB



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

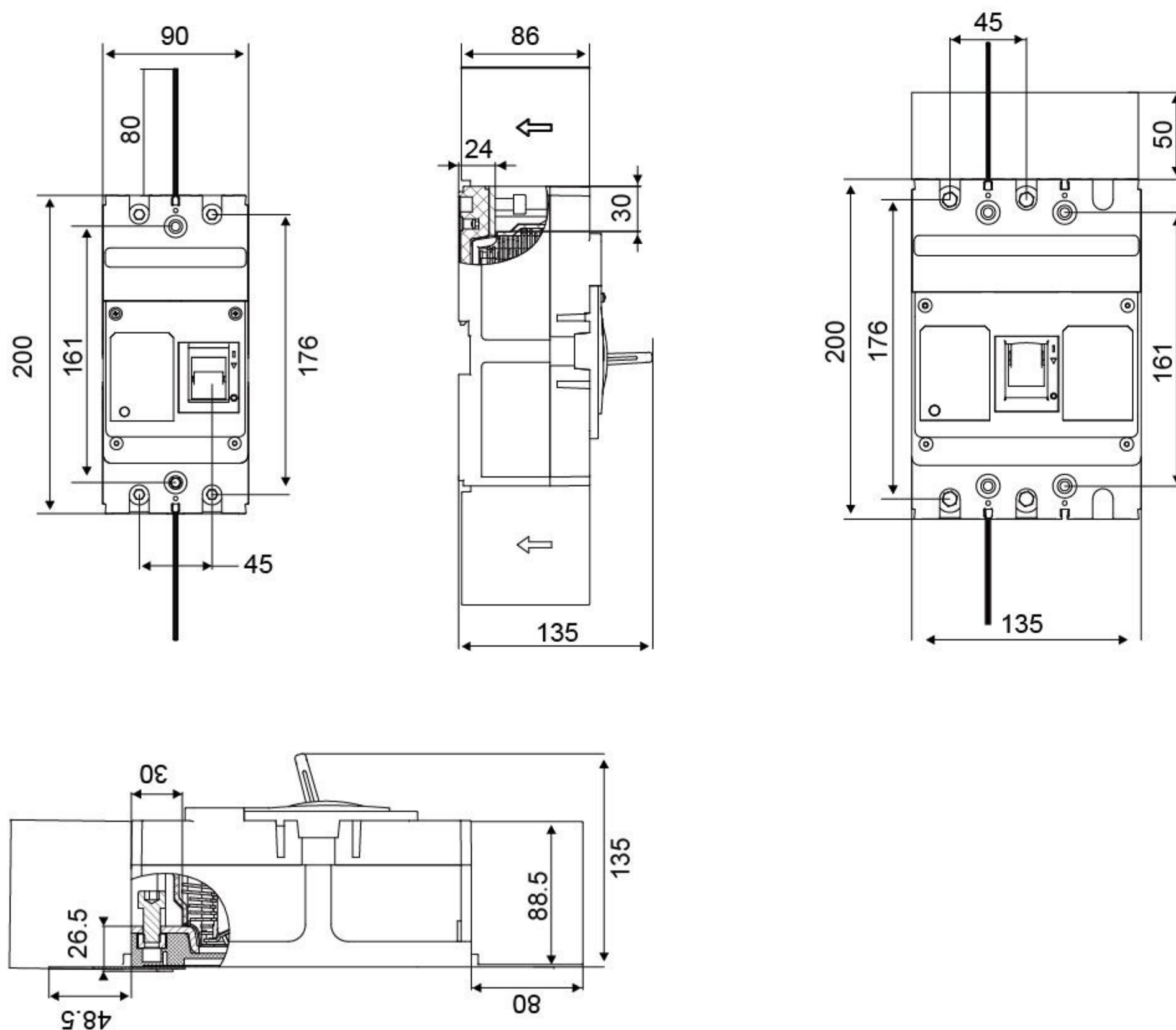
MODEL AND SIGNIFICANCE

S	M	8	-	250
Company Code	Product Category	Design Serial Number	Circuit Breaker	
H	/	PV	DC1500V	250A
Breaking capacity: 15Ka	PV code: DC dedicated	Rated working voltage: DC1000V / DC1500V	Rated Current: 100/125/160/200 /225/250	

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)



ELECTRICAL PARAMETERS

Product Model	SM8-250HPV / 2P 1000V		SM8-250HPV /3P 1500V	
Product name	PV DC MCCB		PV DC MCCB	
Rated service voltage Ue	DC1000V 1200V		DC1250V DC1500V	
Rated insulation voltage Ui	1500V		1500V	
Rated impulse withstand voltage Uimp	12kV		12kV	
Numbers of poles	2		3	
Trip type	Thermal magnetic (thermal magnetic non adjustable) TMD fixed			
Manufacturing standards	GB14048.2, IEC/EN 60947-2			
Use category	A(PV-1)			
Current shell frame In	250A			
Rated service current Ie	100/125/160/200/225/250/300/320A		100/125/160/200/225/250A	
Breaking type	H			
Ultimate short circuit breaking capacity Icu	Ue1000v 15kA		Ue1500v 15kA	Ue1250v 20kA
Rated service short-circuit breaking capacity Ics	75%ICU		Ue1500v 15kA	Ue1250v 20kA
Current setting Ir	1In			
Instantaneous short circuit protection LiMechanical life	6In (Min1000A)			
Mechanical life	10000Times			
Electrical life	2000Times			
Overall dimensions L×W×H	90×200 × 86mm		135×200 × 135mm	
Installation mode	Fixed			
Ingress protection	Wiring terminal: IP20/all sides: IP40			
Relative humidity	Not more than 95% at +50℃			
With wiring polarity requirements or not	NO			
Class of pollution	Level 3			
Service temperature	-40℃ -+75℃			
Operation indications	ON/OFF indication			
Whether the trip is adjustable	NO			
Electrical accessories	Option: shunt/auxiliary/alarm (note: only one set of auxiliary, alarm and shunt can be installed on the left and right side) 2P only on the left side			
Isolating function	Yes			