



LIGHTNING PROTECTION MODULE PLUG-IN UPGRADE

It is easy to replace the module and effectively reduce the cost of use



STRONG ENVIRONMENTAL ADAPTABILITY AND RELIABLE OPERATION IN EXTREME ENVIRONMENT

-5C~40℃ ambient temperature application range,
to meet the application needs of various occasions.



MAGNETIC BLOWING ARC EXTINGUISHING

The arc moves to the grid plate through electromagnetic force, and is divided into many series arcs after entering the grid plate. In the arc extinguishing grid, the arc resistance increases and the current decreases until the circuit cannot maintain the arc, forcing the circuit to disconnect.



PA66 FLAME RETARDANT MATERIAL

Flame retardant rating of V-O



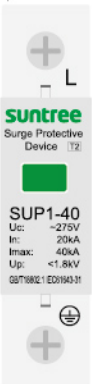
CONTACT INDICATION WINDOW WITH CLEAR POSITION

The whole series of contact positions are visualized
to avoid misoperation and more reliable use.

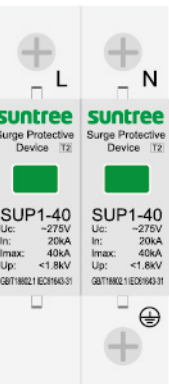
AC SURGE PROTECTOR

SUP1(D,C, B)5 series surge protection device (non-shock SPD, alias surge suppressor, surge arrester) is suitable for TN-S, T-C-S, TT and IT power supply system of AC 50/60Hz. <30V installed on the joint of LPZ1 or P2 and LPZ2, is designed according to IEC 61643-1, CB 180. It adopts 35mm standard rail. There is a release window on the module of surge protection device. When the SPD fails in breakdown for over-heat and over-current, the failure release will help electrical equipment separate from the power supply system and give the indication signal. Green means normal, red means abnormal. It also could be replaced for the module when has operating voltage.

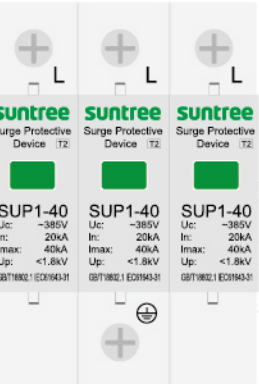
SUP1-40/1P



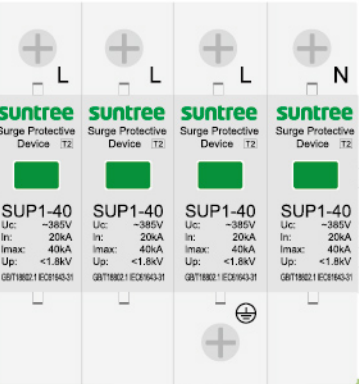
SUP1-40/2P



SUP1-40/3P



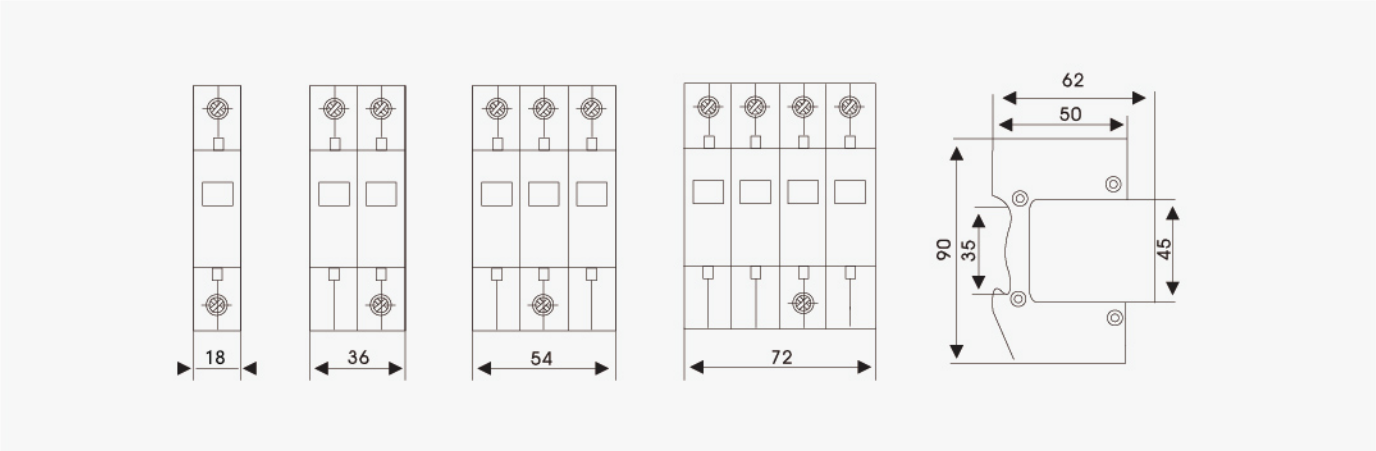
SUP1-40/4P



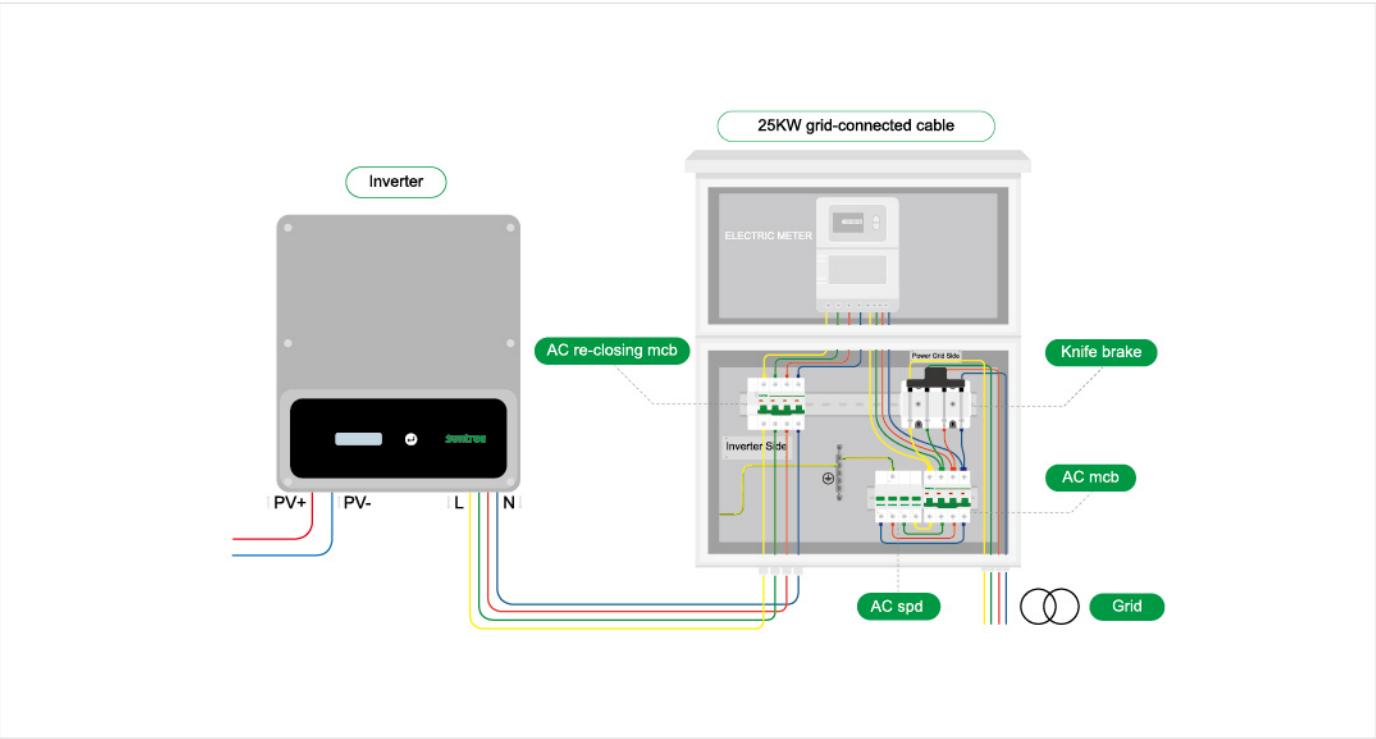
MODEL AND SIGNIFICANCE



DIMENSIONS (MM)



WIRING REFERENCE



ELECTRICAL TECHNICAL REFERENCE

Technical Parameters	SUP1 D.C.B					
Protection Level B,C,D Grade	D.C.B					
Rated Operating Voltage Un(V~)	380V /220V					
Maximum Continuous Operating Voltage Uc(V~)	275V	320V	385V	385V	385V	420V
Voltage Protection Level Up(V~)kV	≤1.0	≤1.2	≤1.8	≤2.0	≤2.2	≤2.8
Nominal Discharge Current In(8/20s)kA	5	10	20	30	40	60
Maximum Discharge Current Imax(8/20s)kA	10	20	40	60	80	100
Response Time (ns)	<25					
Test Standard	IEC61643.1,GB18802.1					
Operating Environment (centigrade)	-40℃~+85℃					
Max Connection Line	35mm2 hard wire/ 35mm2 strand wire copper line					
Recommended Connection Line	16mm2 hard wire/ 25mm2 strand wire					
Installation	copper line					
Material of Outer Covering	Standard Rail 35mmBurning-proof Nylon					

INSTALLATION PRECAUTIONS

- Voltage: The voltage continuously applied between the SPD terminals does not exceed the maximum continuous working voltage Uc
The altitude should not exceed 2000m
- Ambient air chlorine temperature: normal range -5℃~+40℃, extreme range -40℃~+70℃.
- Relative humidity: should be between 30% and 90% at room temperature
- The SPD adopts 35mm standard guide rail to install the product in the distribution cabinet or box of the distribution box.
- There should be no obvious shock and vibration at the installation place
- SPD is connected by copper wire, and its cross-sectional area is: soft wire 2.5~16mm; hard wire 2.5~25mm2.
The connecting line should be as short as possible, and the total length should be less than 0.5m
- Neutral wire adopts light blue wire/ground wire adopts green and yellow (two-color) wire,
and the cross-sectional area is 16mm2

