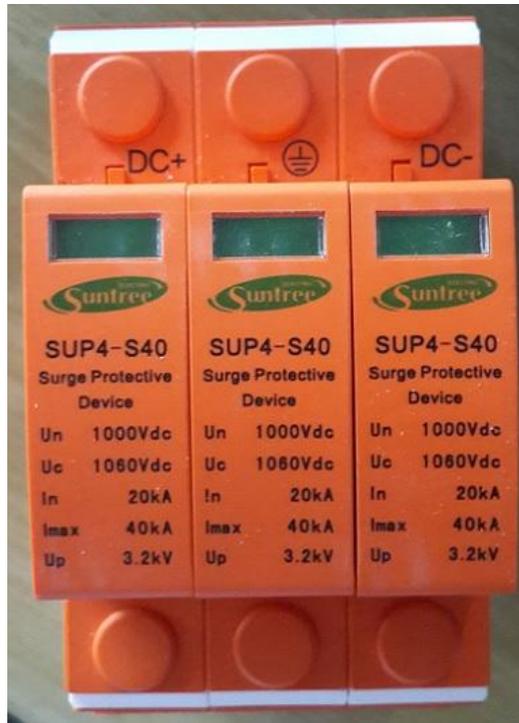


DC Surge Protector 1000V/40kA (max)



Specifications

DC Surge Protector Device DC1000V 20-40KA SPD (ST-S40) for Solar Photovoltaic (PV) System Protector Electrical PV Protector

DC Surge Protector Device DC1000V 20-40KA SPD (ST-S40) for Solar Photovoltaic (PV) System

The ST-S40 series Surge Protection are designed to protect against lightning surge voltages in photovoltaic power supply networks.

These units must be installed in parallel on the DC networks to be protected and provide common and differential modes protection. The SUN-S40 series is available for the main operating voltages in photovoltaic: 1000 Vdc.

The use of ST-S40 series Surge Protection is recommended at both ends of the DC power supply line (solar panel side and inverter/converter side),

Especially if the line routing is external and long. The electrical diagram of the SUN-S40 series is based on high energy PV equipped with specific thermal disconnectors and related failure indicators.

The ST-S40 series is made with plug-in modules to allow a fast and easy maintenance in case of failure (disconnection from the DC network).

| Items | ST-S40 DC | | |
|------------------------------|-----------------------------|--------|---------|
| Network voltage Un | 500Vdc | 800Vdc | 1000Vdc |
| Max. operating voltage Uc | 530Vdc | 840Vdc | 1060Vdc |
| Nominal discharge current In | 20KA | | |
| Max. discharge current Imax | 40KA | | |
| Protection level(at In) Up | 1.5KV | 3.2KV | 3.2KV |
| Mounting | Symmetrical rail 35mm | | |
| Operating temperature | -40/+85° C | | |
| Disconnector | Internal | | |
| Indicator | Normal: green; Failure: red | | |



DIMENSION (mm) :

