Type 2 PV SPDs have characteristics of type 2, they are capable of discharging indirect lightning strikes causing induced or conducted overvoltages generally from earth to the panel they have a low residual voltage (Up), which is compatible with the withstand voltage of the panel and the PV Inverter.

Higher is the I_max, more powerful they are. They are installed inside the connection/string boxes but also near the PV Inverter.

If the announced residual voltage (Up) is not compatible with the withstand voltage of the equipment to protect or if the cable length to the equipment is longer than 10m, another level of coordination with another OVR PV T2 will be needed.

### Key characteristics
- **Protection mode**: L/L-PE
- **Number of protected lines**: 2
- **Test class**: II
- **Integrated thermal disconnector**: Yes
- **End of life indicator**: Yes
- **Safety reserve**: No

### Electrical characteristics
- **Nominal discharge current** $I_{LD}$ (8/20) kA: 10
- **Maximal discharge current** $I_{LDM}$ (8/20) kA: 40
- **Impulse current** $I_{LDM}$ (10/350) kA: 40
- **Maximal continuous operating voltage** $U_{OP}(L-L)$ kV: 4.2
- **Voltage protection level at In** $U_{P}(L-PE)$ kV: 4.2
- **Voltage protection rating according VPN (L+/G, L-/G, L+/L-) kV**: 7 / / -
- **Short circuit current** $I_{SC}$ kA: 10
- **Short circuit withstand according $I_{SC}$ kA: 10
- **Ground residual current** $I_{PE}$ mA: < 1000
- **Required thermal/back up protection**: Curve B or C Circuit breaker
- **g.L fuse**: A

### Curve B or C Circuit breaker
- **g.L fuse**: A

### Mechanical characteristics
- **Dimensions**: H x W x D mm: 88 x 53.4 x 58
- **Wire range**: Solid wire mm: 2.5 … 35 / 2 … 14
- **Wire range**: Stranded wire mm: 2.5 … 25 / 4 … 14
- **Stripping length**: mm: 12.5 / 15.5
- **Packing quantities**: piece Per 30

### Miscellaneous characteristics
- **Maximal altitude**: Is / T1: 2100 / 6362
- **Weight**: g / P: 350 / 0.75
- **Response time**: ms: < 20
- **Fire resistance according to UL 94**: V-0

### Replacement cartridges
- **Phase / Product ID**: OVR PV T2 40-1500 C QS 2CTB804153Z2600