

SURGE PROTECTIVE DEVICES | RELEASE NOTE, JANUARY 11, 2022

# OVR PV Type 2 Surge Protective Devices

Protect photovoltaic systems and help improve performance



ABB launches the OVR PV Type 2 SPDs for Photovoltaic applications. These SPDs help divert the lightning currents within an electrical system resulting from indirect lightning events. Their effective voltage protection ratings keep damaging voltage peaks from exceeding the withstand voltages of the protected equipment.

## Benefits



### Extended lifetime

Safety Reserve system with two varistors per line extend protection lifetime



### Easy replacement

Pluggable cartridge for easy replacement during maintenance



### Faster wiring

OVR T2 use the same terminal as Pro M compact devices to offer complete coordination and time-saving in wiring operation



### Easy identification

Clear information on the front of the product indicating the technical characteristics of the OVR

## Features

- Protection mode: DC+ to DC- / DC+ to G / DC- to G
- Protected lines: 2
- Technology: Thermally protected varistor
- Bi-color end of life indicator (green= functional / Red= replace)
- Compact and lightweight design
- Auxiliary contact options
- Pluggable cartridge
- Bottom wiring

**Technical specifications**

- L+, L- protection
- Self protected up to Iscpv, Sccr = 10kA
- Uc = 1000, 1500 VDC
- In = 20kA (1000V), 15 kA (1500V)
- Up = 4 kV (1000V), 5 (1500V)
- VPR = 3 kV (1000V), 4 (1500V)

**Standards and certifications**

- IEC 61643-31
- UL 1449 5th ed

**Applications**

Photovoltaic applications such as:

- String/combiner boxes
- PV Inverter

Additional PV SPDs may be required for optimal protection if cable lengths between SPDs are greater than 10 meters.

**Channel**

OEMs – Panel builders

OEMs – Renewable applications

**Product warranty**

1-year

**Country of origin**

Germany

**Target market**

United States

**Sales ordering**

- ABB empower

**Available**

Available for ordering starting Jan.1, 2022

For lead times, refer to empower

**Downloadable resources**

OVR PV T2 40-1000 P - Datasheet

OVR PV T2 40-1000 P TS - Datasheet

OVR PV T2 40-1500 P - Datasheet

OVR PV T2 40-1500 P TS - Datasheet

Installation instructions

System Pro M™ Catalog

BuyLog – Section 5

**Contact information**

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**Scan QR code for additional information**