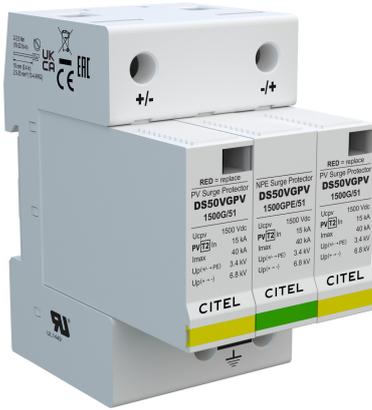




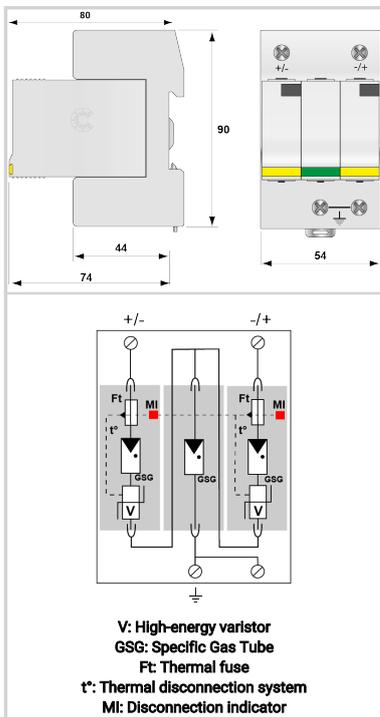
# CITEL

## Type 2 PV surge protector

### DS50VGPV-1500G/51



- Type 2 surge protector for photovoltaic
- VG technology
- 1500 Vdc
- No leakage, no operating currents
- Improved life expectancy
- In/Imax : 15 / 40 kA
- Common/Differential mode protection
- Remote signaling (option)
- IEC 61643-31, EN 61643-31, EN 50539-11 compliance
- UL1449 ed.5 certified



#### Electrical Characteristics

SPD type	IEC	2
Network		PV 1250 Vdc
Nominal PV voltage	Uocstc	1250 Vdc
Max. PV operating voltage	Ucpv	1500 Vdc
Residual Current	ipe	None
Leakage current to Ground		
PV Permanent Operating current	Icpv	None
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current	In	15 kA
15 x 8/20 $\mu$ s impulses		
Max. discharge current	Imax	40 kA
max. withstand @ 8/20 $\mu$ s by pole		
Total Maximum discharge current	Imax Total	60 kA
max. total withstand @ 8/20 $\mu$ s		
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/-	Up	6.8 kV
@ In (8/20 $\mu$ s)		
Protection level +/-PE (-/PE)	Up	3.4 kV
@ In (8/20 $\mu$ s)		

#### Mechanical Characteristics

Technology		VG Technology (MOV+GSG)
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup>
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
Disconnection indicator		2 mechanical indicators
Spare module(s)		DSM50VGPV-1500G/51
Remote signaling of disconnection		Option DS50VGPVS-1500G/51 - output on changeover contact
Dimensions		See diagram

#### Disconnectors

Thermal disconnector		Internal
Back-up protection device		Without

#### Standards

Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification		cRUus

#### Part number

**481501**

