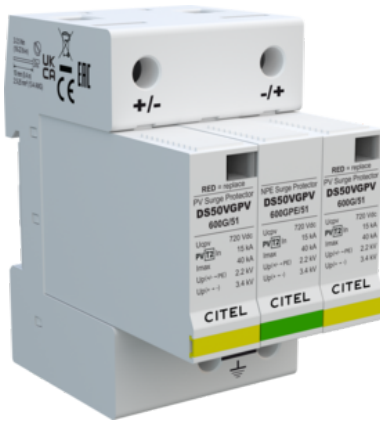




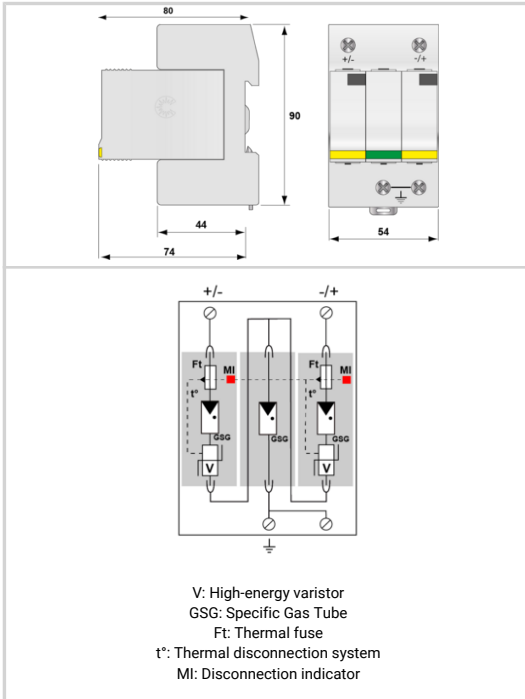
Type 2 PV surge protector

CITEL

DS50VGPV-600G/51



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



Electrical Characteristics		
SPD type		2
Network		PV 600 Vdc
Nominal PV voltage	Uocstc	600 Vdc
Max. PV operating voltage	Uc _{pv}	720 Vdc
Residual Current	I _{pe}	None
Leakage current to Ground		
PV Permanent Operating current	I _{cpv}	None
Current consumption at U _{cpv}		
Follow current	I _f	None
Nominal discharge current	I _n	15 kA
15 x 8/20 μs impulses		
Max. discharge current	I _{max}	40 kA
max. withstand @ 8/20 μs by pole		
Total Maximum discharge current	I _{max Total}	60 kA
max. total withstand @ 8/20 μs		
Current withstand short circuit PV	I _{scpv}	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ I _n (8/20μs)	U _p	3.4 kV
Protection level +/PE (-/PE) @ I _n (8/20μs)	U _p	2.2 kV
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
Connection to Network		By screw terminals: 2.5-25mm ²
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
Disconnection indicator		2 mechanical indicators
Spare module(s)		DSM50VGPV-600G/51
Remote signaling of disconnection		Option DS50VGPVS-600G/51 - output on changeover contact
Dimensions		See diagram
Weight		0.272 kg
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		
Part number		
		481401

