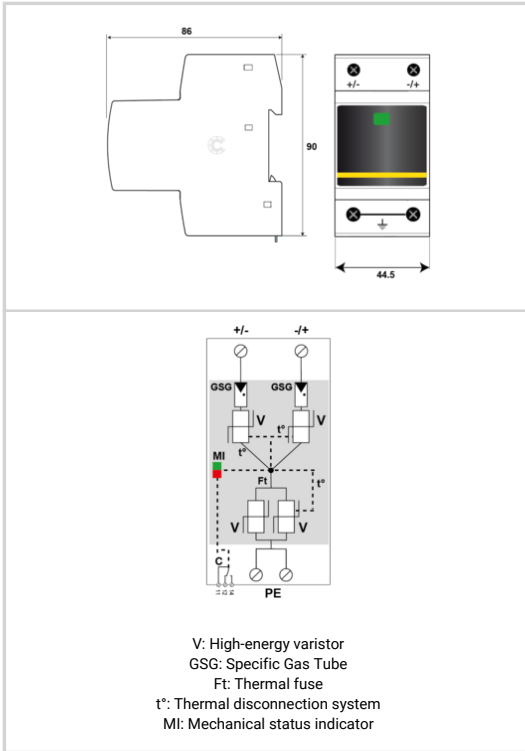




NEW CITEL PV SPD

- › Type 1+2+3 surge protector for Photovoltaic
- › CTC Technology
- › VG Technology
- › Impulse currents I_{imp}/I_{total} : 6.25/12.5 kA (10/350 μ s)
- › Common/Differential mode protection
- › Remote signaling
- › IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



Electrical Characteristics		
SPD type		1+2+3
Network		PV 1200 Vdc
Nominal PV voltage	Uocstc	1000 Vdc
Max. PV operating voltage	Ucpv	1200 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	20 kA
15 x 8/20 μ s impulses		
Max. discharge current	I _{max}	40 kA
max. withstand @ 8/20 μ s by pole		
Total Maximum discharge current	I _{max} Total	60 kA
max. total withstand @ 8/20 μ s		
Impulse current by pole	I _{imp}	6.25 kA
max. withstand 10/350 μ s by pole		
Total lightning current	I _{total}	12.5 kA
max. total withstand @ 10/350 μ s		
Withstand on Combination waveform IEC 61643-11	Uoc	6 kV
Class III test: 1.2/50 μ s - 8/20 μ s		
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/-	Up	4.3 kV
@ I _n (8/20 μ s)		
Protection level +/-PE (-/PE)	Up	4.3 kV
@ I _n (8/20 μ s)		
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
Connection to Network		By screw terminals: 2.5-25mm ² (35mm ²) / by bus
Format		Compact monobloc 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		All pole disconnection from PV network
Disconnection indicator		1 mechanical indicator - Red/Green
Remote signaling of disconnection		Option DPVN1-6CVGS-21Y-1200 - output on changeover contact
Dimensions		See diagram - 2.5TE (EN43880)
Disconnectors		
Thermal disconnector		CTC Technology integrated
Back-up protection device		Without
Standards		
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Part number		
		65221102

