



## Type 2+3 PV surge protector - VG and CTC Technology

# CITEL

### DPVN40CVG-21Y-1200

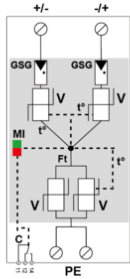
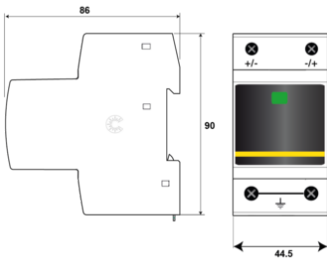


#### NEW CITEL PV SPD

- Type 2+3 surge protector for Photovoltaic
- CTC Technology
- VG Technology
- Discharge currents  $I_{max}/I_{total}$ : 40/60 kA (8/20 $\mu$ s)
- Common/Differential mode protection
- Remote signaling optional
- IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance
- Certified EN 61643-31 and IEC 61643-31



Electrical Characteristics	
SPD type	2+3
Network	PV 1200 Vdc
Nominal PV voltage	Uocstc 1000 Vdc
Max. PV operating voltage	Ucpv 1200 Vdc
Residual Current <i>Leakage current to Ground</i>	Ipe None
PV Permanent Operating current <i>Current consumption at Ucpv</i>	Icpv None
Follow current	If None
Nominal discharge current <i>15 x 8/20 <math>\mu</math>s impulses</i>	In 20 kA
Max. discharge current <i>max. withstand @ 8/20 <math>\mu</math>s by pole</i>	I <sub>max</sub> 40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 <math>\mu</math>s</i>	I <sub>max</sub> Total 60 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50<math>\mu</math>s - 8/20<math>\mu</math>s</i>	Uoc 6 kV
Current withstand short circuit PV	Iscpv 15 000 A
Connection mode(s)	+/-/PE
Protection mode(s)	Common/Differential mode
Protection level +/- <i>@ In (8/20<math>\mu</math>s)</i>	Up 4.3 kV
Protection level +/-PE (-/PE) <i>@ In (8/20<math>\mu</math>s)</i>	Up 2.3 kV
Protection level at 5 kA <i>@ 5 kA (8/20<math>\mu</math>s)</i>	Up 3,5 kV
Protection level at Uoc <i>@ Uoc (1.2/50 <math>\mu</math>s)</i>	Up 3,1 kV
Mechanical Characteristics	
Technology	VG Technology (MOV+GSG)
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> ) / 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 DPVN40CVGS-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
Certification	KEMA
Part number	
65121102	



V: High-energy varistor  
GSG: Specific Gas Tube  
Ft: Thermal fuse  
t\*: Thermal disconnection system  
MI: Mechanical status indicator

