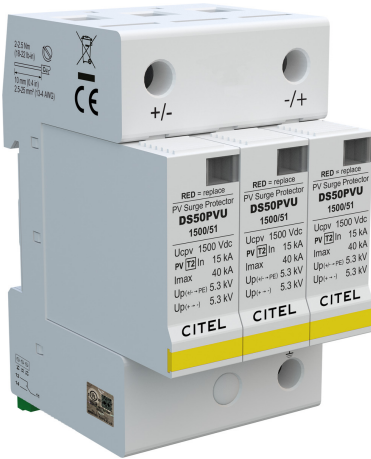


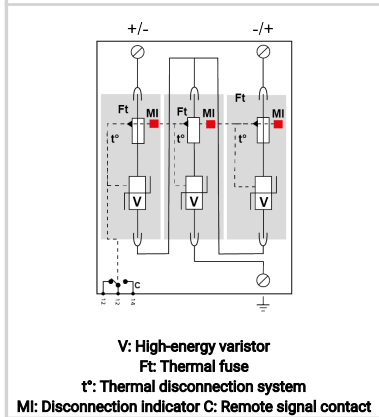
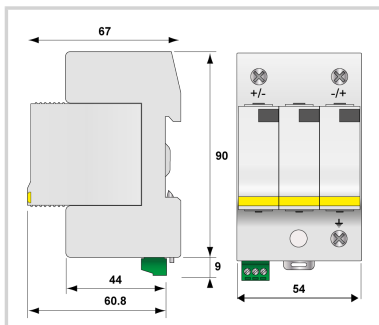


# CITEL



## DS50PVUS-1500/51

- ▶ MOV Technology
- ▶ UL1449 5th Edition - Type 1
- ▶ 40kA Surge Current Rating
- ▶ Visual fault indicator and remote contacts
- ▶ 10-Year warranty



### Electrical Characteristics

Network		PV 1250 Vdc
Max. discharge current		40 kA
<i>max. withstand @ 8/20 μs by pole</i>	<i>I<sub>max</sub></i>	
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
POWER SPD TYPE		UL1449 TYPE 1 LISTED
VOLTS	(V)	1500
AC/DC/DC PV/RF		DC PV
PHASE	(PH)	
AMPS	(A)	N/A
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
MODES		DC+DC-, DC+G, DC-G
VPR	(V)	4000/4000/4000
MCOV	(V)	1500/1500/1500
IN	(kA)	10
<i>15 impulses 8/20μs</i>		
SCCR	(kA)	100
IMAX	(kA)	40
<i>8/20μs</i>		

### Mechanical Characteristics

Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Operating temperature	<i>T<sub>u</sub></i>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
TECHNOLOGY		MOV
NETWORK CONFIGURATION		3 poles, 2W+G
CONNECTION METHOD		SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG
MOUNTING		DIN RAIL
MATERIAL		Thermoplastic UL94-V0
NEMA RATING (IP RATING)		NEMA 2 (IP20)
FAIL-SAFE BEHAVIOR		Disconnection via fuse-link
REAL-TIME DIAGNOSTICS		Visual indicator and remote contacts
DIMENSIONS		See diagram

### Standards

Certification		UL Listed
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289

### Part number

**48057155**

