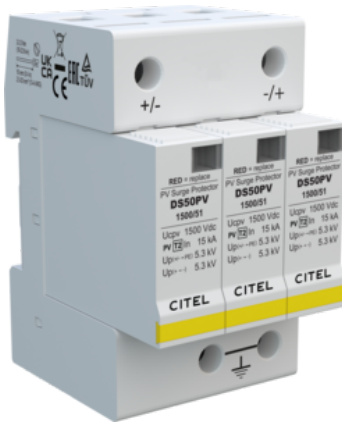




## Type 2 PV surge protector

# CITEL

### DS50PV-1500/51



- Type 2 surge protector for PV
- In : 15kA / I<sub>max</sub> : 40kA
- Pluggable
- Remote signaling (option)
- IEC 61643-31, EN 61643-31, EN 50539-11 and UL1449 ed.5 certified



	<b>Electrical Characteristics</b>																																																										
<p>V: High-energy varistor Ft: Thermal fuse t*: Thermal disconnection system MI: Disconnection indicator</p>	<table border="1"> <tr><td>SPD type</td><td></td><td>2</td></tr> <tr><td>Network</td><td></td><td>PV network 1250 Vdc</td></tr> <tr><td>Nominal PV voltage</td><td>Uocstc</td><td>1250 Vdc</td></tr> <tr><td>Max. PV operating voltage</td><td>Ucpv</td><td>1500 Vdc</td></tr> <tr><td>Residual Current</td><td>I<sub>pe</sub></td><td>&lt; 0.1 mA</td></tr> <tr><td>Leakage current to Ground</td><td></td><td></td></tr> <tr><td>PV Permanent Operating current</td><td>I<sub>cpv</sub></td><td>&lt; 0.1 mA</td></tr> <tr><td>Current consumption at Ucpv</td><td></td><td></td></tr> <tr><td>Follow current</td><td>I<sub>f</sub></td><td>None</td></tr> <tr><td>Nominal discharge current</td><td>I<sub>n</sub></td><td>15 kA</td></tr> <tr><td>15 x 8/20 μs impulses</td><td></td><td></td></tr> <tr><td>Max. discharge current</td><td>I<sub>max</sub></td><td>40 kA</td></tr> <tr><td>max. withstand @ 8/20 μs by pole</td><td></td><td></td></tr> <tr><td>Total Maximum discharge current</td><td>I<sub>max Total</sub></td><td>60 kA</td></tr> <tr><td>max. total withstand @ 8/20 μs</td><td></td><td></td></tr> <tr><td>Current withstand short circuit PV</td><td>I<sub>scpv</sub></td><td>15 000 A</td></tr> <tr><td>Connection mode(s)</td><td></td><td>+/-/PE</td></tr> <tr><td>Protection mode(s)</td><td></td><td>Common/Differential mode</td></tr> <tr><td>Protection level +/-PE (-/PE) @ I<sub>n</sub> (8/20μs)</td><td>U<sub>p</sub></td><td>5.3 kV</td></tr> </table>		SPD type		2	Network		PV network 1250 Vdc	Nominal PV voltage	Uocstc	1250 Vdc	Max. PV operating voltage	Ucpv	1500 Vdc	Residual Current	I <sub>pe</sub>	< 0.1 mA	Leakage current to Ground			PV Permanent Operating current	I <sub>cpv</sub>	< 0.1 mA	Current consumption at Ucpv			Follow current	I <sub>f</sub>	None	Nominal discharge current	I <sub>n</sub>	15 kA	15 x 8/20 μs impulses			Max. discharge current	I <sub>max</sub>	40 kA	max. withstand @ 8/20 μs by pole			Total Maximum discharge current	I <sub>max Total</sub>	60 kA	max. total withstand @ 8/20 μs			Current withstand short circuit PV	I <sub>scpv</sub>	15 000 A	Connection mode(s)		+/-/PE	Protection mode(s)		Common/Differential mode	Protection level +/-PE (-/PE) @ I <sub>n</sub> (8/20μs)	U <sub>p</sub>	5.3 kV
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