

## Technical Data

# External DC overvoltage protection



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Any PV overvoltage trips the external overvoltage protection, thereby protecting the power inverter from lightning strikes, for instance. Fuse components that are no longer functional can be recognised by the status display of the individual arresters and can be exchanged against the fuse component VPU PV II 5 0 1000.<sup>1)</sup>

### Electrical data

MPP tracker connection	2
Overvoltage protection class (IEC 61643)	Type 2
DC rated voltage $U_n$ (V)	1,100
Protection level UP (kV)	$\leq 4.2$
Discharge current I total (kA)	40
Discharge current $I_n$ (8/20 $\mu$ s) (kA)	20
DC rated current per MPP tracker $I_{nc}$ (A)	52
Short-circuit current per MPP tracker (A)	65
Remote signalling contact	No

### Input

Input connection technology	2x cable gland M16 2x cable gland M25
Stripping length (mm)	18
Tightening torque (Nm)	3

### General data

Installed fuse component <sup>1)</sup>	VPU PV II 5 0 1000
Protection class	IP 65, no direct exposure to sunlight
Dimensions W x H x D (mm)	200 x 200 x 132
Permissible ambient operating temperature (°C)	-20 to +50
Max. relative humidity (non-condensing) (%)	95
Installation method	Wall mounting, at the building entrance
Max. operating altitude (mamsl)	2,000
Warranty	Statutory
Approvals	IEC 61439-2 ed.3.0, CE
Weight (kg)	1.9

<sup>1)</sup> Exchanging the fuse component VPU PV II 5 0 1000 invalidates any warranty claims against HagerEnergy GmbH.



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