

Protect PV systems optimally against overvoltages

Powerful surge protection for commercial and residential PV systems


PV systems are at high risk of lightning strikes due to their installation in exposed locations and must therefore be protected against surges in accordance with EN 51643-32.

To avoid system failures, high repair costs and loss of sales due to surge damage, powerful PV arresters are the best solution. Surge arresters of the VPU PV series have been designed for optimal protection of the inverter against surges. The arresters are available for different system voltages, can be supplied in different classes, and with different MPP trackers.




600 V
1.000 V
1.500 V


Type I and II protection

I_{scpv} 
11 kA

Maximum short-circuit capability

Pluggable inserts 

Pluggable arresters

up to
13.000 ft 

Safe operation up to 13.000 ft



Your special advantages:

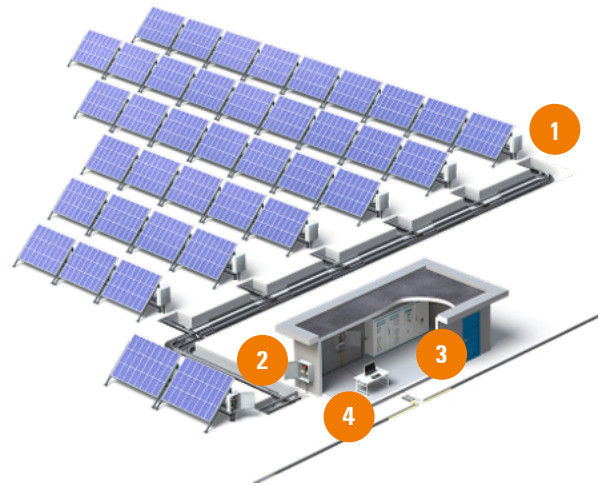
- Compact, space-saving design
- Available in application-oriented product variants
- 5-pole product variant enables connection of two MPP trackers
- Complete portfolio for voltage classes from 600 V to 1,500 V
- Application-appropriate protection through type I and II product classes

Choose the right one!

Product Selection

- 1 DC string combiner boxes
- 2 Cabinet feed-in and data communication
- 3 AC converter power supply
- 4 Local control system protection

VPU PV II
 VPU PV II / VSPC RS485
 VPU AC II US
 VPU AC II US



DC protection in 1,000 V applications 1 2 4

Description	Type	Version	Max. continuous voltage U_c	Discharge current I_{imp}/I_{max}	Order No.
VPU PV I+II 3 1000	I + II	Without remote contact	1100 V	6,25 kA/40 kA	2530610000
VPU PV I+II 3 R 1000	I + II	With remote contact	1100 V	6,25 kA/40 kA	2530620000
VPU PV I+II 0 1000	I + II	Spare arrester	1100 V	6,25 kA/40 kA	2530600000
VPU PV I+II 0M 1000	I + II	Spare arrester	1100 V	6,25 kA/40 kA	2534300000
VPU PV II 3 1000	II	Without remote contact	1100 V	-/40 kA	2530550000
VPU PV II 3 R 1000	II	With remote contact	1100 V	-/40 kA	2530180000
VPU PV II 0 1000	II	Spare arrester	1100 V	-/40 kA	2530660000



DC protection in 1,500 V applications 1 2 4

Description	Type	Version	Max. continuous voltage U_c	Discharge current I_{imp}/I_{max}	Order No.
VPU PV I+II 3 1500	I + II	Without remote contact	1500 V	5 kA /30 kA	2530580000
VPU PV I+II 3 R 1500	I + II	With remote contact	1500 V	5 kA /30 kA	2530590000
VPU PV I+II 0 1500	I + II	Spare arrester	1500 V	5 kA /30 kA	2530570000
VPU PV I+II 0M 1500	I + II	Spare arrester	1500 V	5 kA /30 kA	2534330000
VPU PV II 3 1500	II	Without remote contact	1500 V	-/30 kA	2530640000
VPU PV II 3 R 1500	II	With remote contact	1500 V	-/30 kA	2530650000
VPU PV II 0 1500	II	Spare arrester	1500 V	-/30 kA	2530630000



AC protection for US grids 3 4

Description	Type	Version	Rated voltage UL	Grid recommendation	Order No.
VPU AC II US 2 R 120/50	II	With remote	120 V	Two phase system	2730480000
VPU AC II US 3 R 120/50	II	With remote	120 V	Three phase system	2730520000
VPU AC II US 3 R 277/50	II	With remote	277 V	Three phase system	2730590000
VPU AC II US 3 R 400/50	II	With remote	400 V	Three phase system	2730730000



Find online more products for your Grid type protection

V-DATA 2

Type	Suitable for:	Connection type	Qty.	Order No.
VDATA CAT6	Cat. 5 (up to 100 MHz) and Cat. 6 to 250 MHz (Class E), PoE (according to IEEE 802.3af) and PoE+ (according to IEEE 802.3at)	RJ45	1	1348590000



Find more products online