

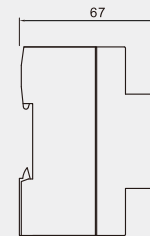
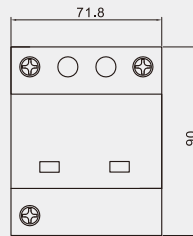
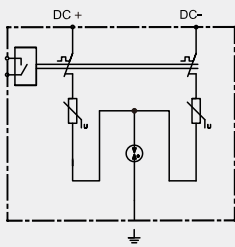
BRITEC	BRITEC	BRITEC
<b>BRPV3-1000</b>	<b>BRPV3-1000</b>	<b>BRPV3-1000</b>
Ucpv: 1000V $\overline{\text{---}}$	Ucpv: 1000V $\overline{\text{---}}$	Ucpv: 1000V $\overline{\text{---}}$
PV $\square$ In: 20kA	PV $\square$ In: 20kA	PV $\square$ In: 20kA
Imax: 40kA	Imax: 40kA	Imax: 40kA
Up: 4.0kV	Up: 4.0kV	Up: 4.0kV
ISCPV: 1kA	ISCPV: 1kA	ISCPV: 1kA
IEC 61643-31	IEC 61643-31	IEC 61643-31
CE	CE	CE
If Red Replace	If Red Replace	If Red Replace

# DC Surge Arrester for pv

[www.britecelectric.com](http://www.britecelectric.com)

## BRPV3 T1

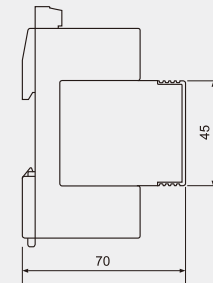
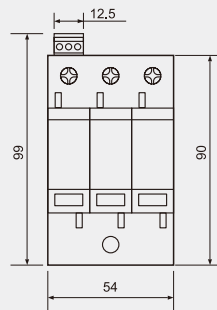
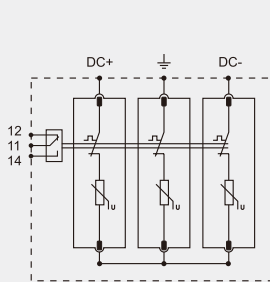
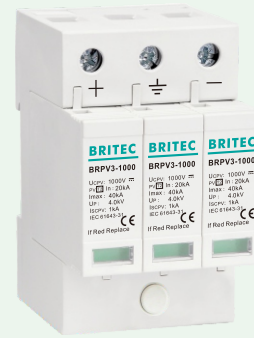
Type 1+2 DC Surge Arrester for PV



		BRPV3 600T1	BRPV3 1000T1
SPD classification according to EN61643-31 / IEC61643-31		Type 1 + Type 2 / Class I + Class II	
Max. continuous operating dc voltage	Ucpv	600V	1000V
Lightning impulse current (10/350 μs)	Iimp	12.5kA	12.5kA
Nominal discharge current (8/20 μs)	In	20kA	20kA
Max. discharge current (8/20 μs)	I <sub>max</sub>	50kA	50kA
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 2.6kV	≤ 4.0kV
Response time	t <sub>A</sub>	≤ 25ns	≤ 25ns
Operating temperature range	T <sub>u</sub>	-40°C -80°C	-40°C -80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm <sup>2</sup>	4mm <sup>2</sup>
Cross-section area (Max.)		35mm <sup>2</sup>	35mm <sup>2</sup>
For mounting on		35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0	
Degree of protection		IP20	IP20
Order Code		B8001	B8002
Order code (With remote signal)		B8003	B8004

## BRPV3

Type 2 DC Surge Arrester for PV

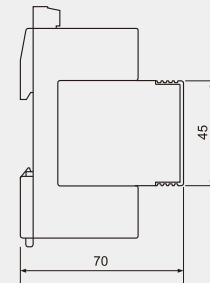
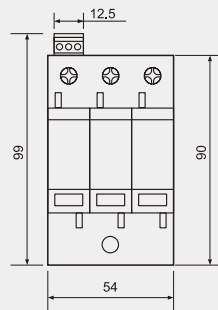
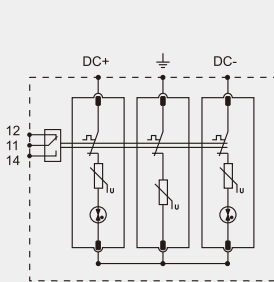


3 Mod		BRPV3 600	BRPV3 1000	BRPV3 1500
SPD classification according to EN61643-31 / IEC61643-31		Type 2 / Class II	Type 2 / Class II	Type 2 / Class II
Max. continuous operating dc voltage	Ucpv	600V	1000V	1500V
Nominal discharge current (8/20 μs)	In	20kA	20kA	20kA
Max. discharge current (8/20 μs)	Imax	40kA	40kA	40kA
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 2.6kV	≤ 4.0kV	≤ 5.2kV
Response time	tA	≤ 25ns	≤ 25ns	≤ 25ns
Operating temperature range	Tu	-40°C -80°C	-40°C -80°C	-40°C -80°C
Operating state/fault indication		green/red	green/red	green/red
Cross-section area (Min.)		4mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>
Cross-section area (Max.)		35mm <sup>2</sup>	35mm <sup>2</sup>	35mm <sup>2</sup>
For mounting on		35mm Din rail	35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0	Thermoplastic UL94-V0	Thermoplastic UL94-V0
Degree of protection		IP20	IP20	IP20
Order Code		B8009	B8010	B8018
Order code (With remote signal)		B8011	B8012	B8019

## BRPV3GD

### Type 2 DC Surge Arrester for PV

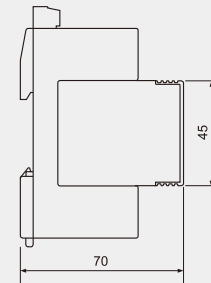
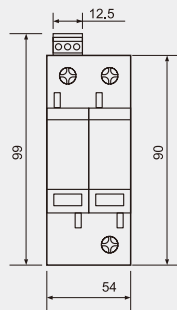
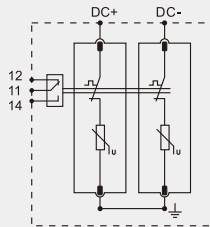
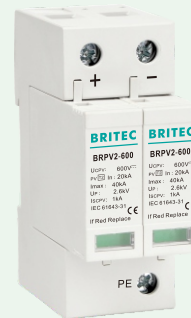
\* No leakage current



3 Mod free leakage current		BRPV3 600 GD	BRPV3 1000 GD
SPD classification according to EN61643-31 / IEC61643-31		Type 2 / Class II	Type 2 / Class II
Max. continuous operating dc voltage	Ucpv	600V	1000V
Nominal discharge current (8/20 μs)	In	20kA	20kA
Max. discharge current (8/20 μs)	I <sub>max</sub>	40kA	40kA
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 2.6kV	≤ 4.0kV
Response time	t <sub>A</sub>	≤ 100ns	≤ 100ns
Operating temperature range	T <sub>u</sub>	-40°C -80°C	-40°C -80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm <sup>2</sup>	4mm <sup>2</sup>
Cross-section area (Max.)		35mm <sup>2</sup>	35mm <sup>2</sup>
For mounting on		35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0	Thermoplastic UL94-V0
Degree of protection		IP20	IP20
Order Code		B8005	B8006
Order code (With remote signal)		B8007	B8008

## BRPV2

### Type 2 DC Surge Arrester



2 Mod		BRPV2 600
SPD classification according to EN61643-31 / IEC61643-31		Type 2 / Class II
Max. continuous operating dc voltage	Ucpv	≤ 600V
Nominal discharge current (8/20μs)	In	20kA
Max. discharge current (8/20 μ. s)	Imax	40kA
Voltage protection level	Up	≤ 2.6kV
Response time	tA	≤ 25ns
Operating temperature range	Tu	-40°C -80°C
Operating state/fault indication		green/red
Cross-section area (Min.)		4mm <sup>2</sup>
Cross-section area (Max.)		35mm <sup>2</sup>
For mounting on		35mm Din rail
Enclosure material		Thermoplastic UL94-V0
Degree of protection		IP20
Order Code		B8013
Orde code (With remote signal)		B8015