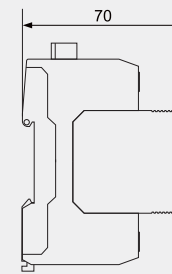
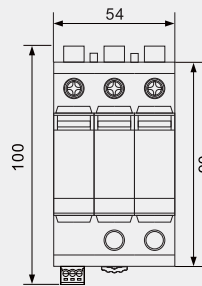
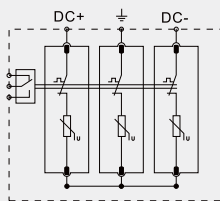
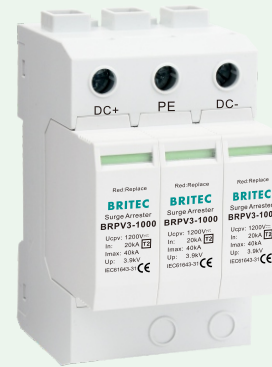




DC Surge Arrester for pv

BRPV3

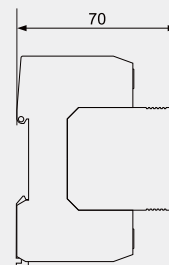
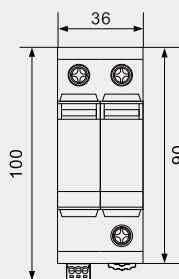
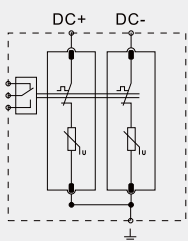
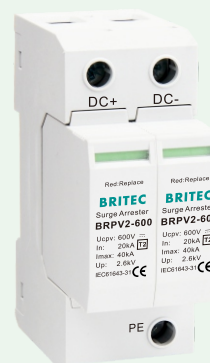
Type 2 DC Surge Arrester for PV



3 Mod		BRPV3-600	BRPV3-1000	BRPV3-1500
SPD classification according to IEC61643-31 / EN61643-31		Type 2 / Class II	Type 2 / Class II	Type 2 / Class II
Max. continuous operating dc voltage	Ucpv	600V	1200V	1500V
Nominal discharge current (8/20μs)	In	20kA	20kA	20kA
Max. discharge current (8/20μs)	Imax	40kA	40kA	40kA
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 2.6kV	≤ 3.9kV	≤ 5.2kV
Leakage current	IPE	<0.1mA	<0.1mA	<0.1mA
Short circuit current	Iscpv	10kA	10kA	10kA
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 ²	4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²	35mm ²
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		B18009	B18010	B18018
Order code (With remote signal)		B18011	B18012	B18019

BRPV2

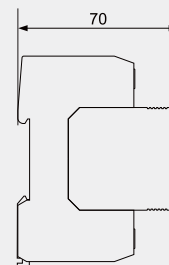
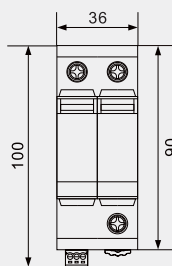
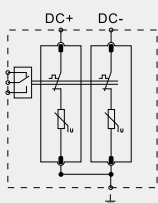
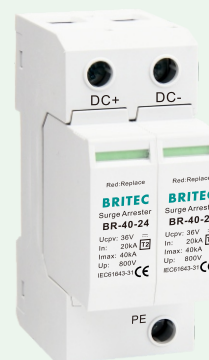
Type 2 DC Surge Arrester



2 Mod		BRPV2-600
SPD classification according to IEC61643-31 / EN61643-31		Type 2 / Class II
Max. continuous operating dc voltage	Ucpv	600V
Nominal discharge current (8/20µs)	In	20kA
Max. discharge current (8/20µs)	Imax	40kA
Voltage protection level	Up	≤ 2.6kV
Leakage current	IPE	<0.1mA
Short circuit current	Iscpv	10kA
Response time	tA	≤ 25ns
Operating temperature range	Tu	-40°C -80°C
Operating state/fault indication		green/red
Cross-section area (Min.)		4mm ²
Cross-section area (Max.)		35mm ²
For mounting on		35mm Din rail
Enclosure material		Thermoplastic UL94-V0
Degree of protection		IP20
Order Code		B18013
Order code (With remote signal)		B18015

BR-40 DC

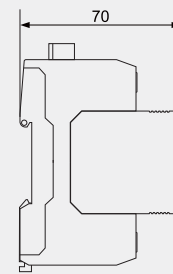
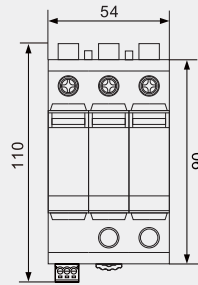
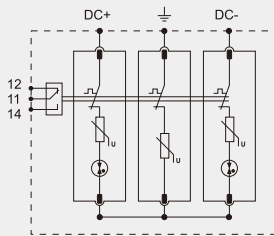
Type 2 DC Surge Arrester



2 Mod		BR-40-24	BR-40-48	BR-40-75	BR-40-110
SPD classification according to EN61643-31		Type 2	Type 2	Type 2	Type 2
SPD classification according to IEC61643-31		Class II	Class II	Class II	Class II
Max continuous operating dc voltage	Un	24V	48V	75V	110V
Max. continuous operating d.c. voltage	Ucpv	36V	65V	80V	180V
Nominal discharge current (8/20 μs)	In	20kA	20kA	20kA	20kA
Max. discharge current (8/20 μs)	Imax	40kA	40kA	40kA	40kA
Voltage protection level	Up	≤800V	≤800V	≤800V	≤900V
Leakage current	IPE	<0.1mA	<0.1mA	<0.1mA	<0.1mA
Short circuit current	Iscpv	10kA	10kA	10kA	10kA
Response time	tA	≤25ns	≤25ns	≤25ns	≤25ns
Operating temperature range	Tu	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication		green/red	green/red	green/red	green/red
Cross-section area (Min.)		4 mm ²	4 mm ²	4 mm ²	4 mm ²
Cross-section area(Max.)		35mm ²	35mm ²	35mm ²	35mm ²
For mounting on		35mm Din rail	35mm Din rail	35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0			
Degree of protection		IP20	IP20	IP20	IP20
Order Code		B18065	B18055	B18057	B18059
Order Code (With remote signaling)		B18066	B18056	B18058	B18060

BRPV3GD

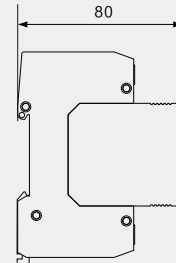
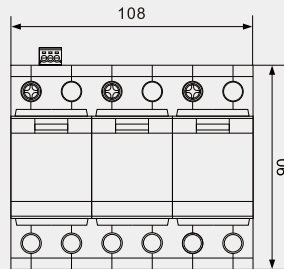
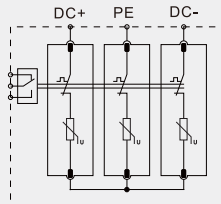
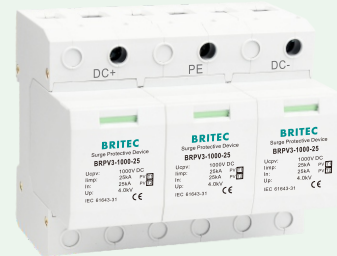
Type 2 DC Surge Arrester for PV



3 Mod free leakage current		BRPV3 600 GD	BRPV3 1000 GD
SPD classification according to IEC61643-31 / EN61643-31		Type 2 / Class II	Type 2 / Class II
Max. continuous operating dc voltage	U _{cpv}	600V	1000V
Nominal discharge current (8/20μs)	I _n	20kA	20kA
Max. discharge current (8/20μs)	I _{max}	40kA	40kA
Voltage protection level [(DC+/DC-)→PE]	U _p	≤ 2.6kV	≤ 4.0kV
Leakage current	I _{PE}	<0.01mA	<0.01mA
Short circuit current	I _{scpv}	10kA	10kA
Response time	t _A	≤ 100ns	≤ 100ns
Operating temperature range	T _u	-40°C -80°C	-40°C -80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²
For mounting on		35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0	Thermoplastic UL94-V0
Degree of protection		IP20	IP20
Order Code		B18005	B18006
Order code (With remote signal)		B18007	B18008

BRPV3-1000-25

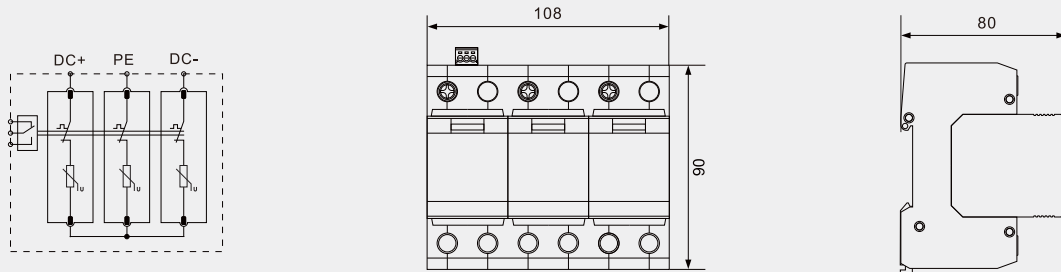
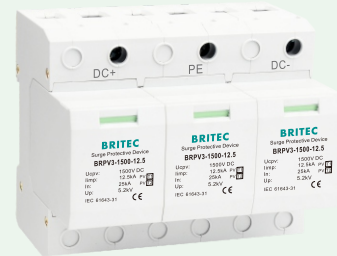
Type 1+2 DC Surge Arrester for PV



		BRPV3-1000-25
SPD classification according to IEC61643-31 / EN61643-31		Type 1 + Type 2 / Class I + Class II
Max. continuous operating dc voltage	Ucpv	1000V
Lightning impulse current (10/350µs)	Iimp	25kA
Nominal discharge current (8/20µs)	In	25kA
Max. discharge current (8/20µs)	I _{max}	80kA
Specific energy	W/R	156kJ/Ω
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 4.0kV
Leakage current	I _{PE}	<0.1mA
Short circuit current	Iscpv	10kA
Response time	t _A	≤ 25ns
Operating temperature range	T _u	-40°C -80°C
Operating state/fault indication		green/red
Cross-section area (Min.)		4mm ²
Cross-section area (Max.)		35mm ²
For mounting on		35mm Din rail
Enclosure material		Thermoplastic UL94-V0
Degree of protection		IP20
Order Code		B18094
Order code (With remote signal)		B18095

BRPV3-1500-12.5

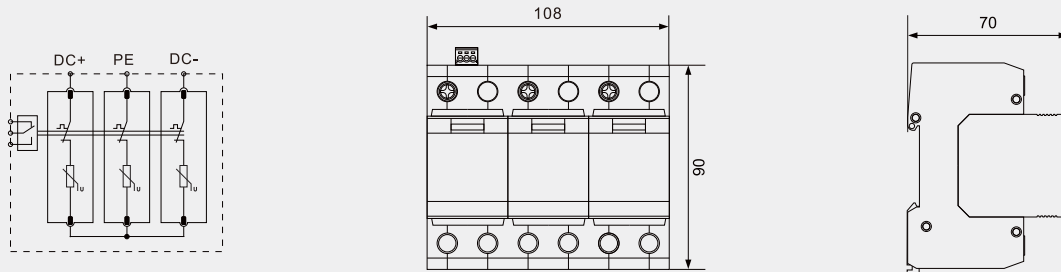
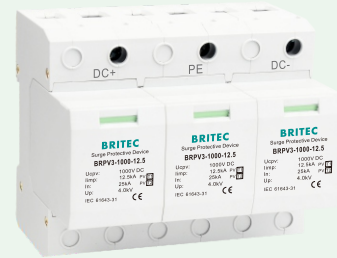
Type 1+2 DC Surge Arrester for PV



		BRPV3-1500-12.5
SPD classification according to IEC61643-31 / EN61643-31		Type 1 + Type 2 / Class I + Class II
Max. continuous operating dc voltage	Ucpv	1500V
Lightning impulse current (10/350µs)	Iimp	12.5kA
Nominal discharge current (8/20µs)	In	25kA
Max. discharge current (8/20µs)	I _{max}	60kA
Specific energy	W/R	39kJ/Ω
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 5.2kV
Leakage current	I _{PE}	<0.1mA
Short circuit current	I _{scpv}	10kA
Response time	t _A	≤ 25ns
Operating temperature range	T _u	-40°C –80°C
Operating state/fault indication		green/red
Cross-section area (Min.)		4mm ²
Cross-section area (Max.)		35mm ²
For mounting on		35mm Din rail
Enclosure material		Thermoplastic UL94-V0
Degree of protection		IP20
Order Code		B18092
Order code (With remote signal)		B18093

BRPV3 T1

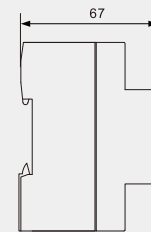
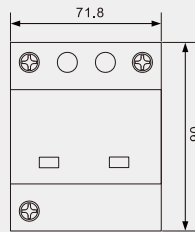
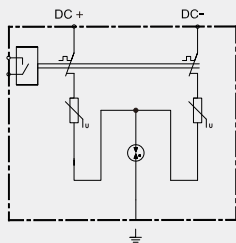
Type 1+2 DC Surge Arrester for PV



		BRPV3-600-12.5	BRPV3-1000-12.5
SPD classification according to IEC61643-31 / EN61643-31		Type 1 + Type 2 / Class I + Class II	
Max. continuous operating dc voltage	Ucpv	600V	1000V
Lightning impulse current (10/350µs)	Iimp	12.5kA	12.5kA
Nominal discharge current (8/20µs)	In	25kA	25kA
Max. discharge current (8/20µs)	I _{max}	60kA	60kA
Specific energy	W/R	39kJ/Ω	39kJ/Ω
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 2.6kV	≤ 4.0kV
Leakage current	I _{PE}	<0.1mA	<0.1mA
Short circuit current	I _{scpv}	10kA	10kA
Response time	t _A	≤ 25ns	≤ 25ns
Operating temperature range	T _u	-40°C -80°C	-40°C -80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²
For mounting on		35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0	
Degree of protection		IP20	IP20
Order Code		B18024	B18020
Order code (With remote signal)		B18025	B18021

BRPV3 VG

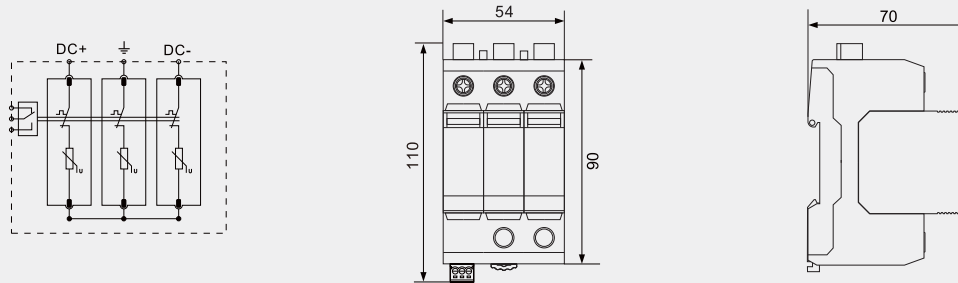
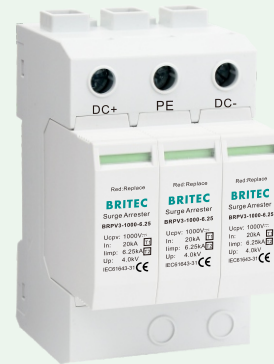
Type 1+2 DC Surge Arrester for PV



		BRPV3-600-12.5VG	BRPV3-1000-12.5VG
SPD classification according to IEC61643-31 / EN61643-31		Type 1 + Type 2 / Class I + Class II	
Max. continuous operating dc voltage	Ucpv	600V	1000V
Lightning impulse current (10/350µs)	Iimp	12.5kA	12.5kA
Nominal discharge current (8/20µs)	In	25kA	25kA
Max. discharge current (8/20µs)	Imax	60kA	60kA
Specific energy	W/R	39kJ/Ω	39kJ/Ω
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 2.6kV	≤ 4.0kV
Leakage current	IPE	<0.01mA	<0.01mA
Short circuit current	Iscpv	10kA	10kA
Response time	tA	≤ 25ns	≤ 25ns
Operating temperature range	Tu	-40°C -80°C	-40°C -80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²
For mounting on		35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0	
Degree of protection		IP20	IP20
Order Code		B18001	B18002
Order code (With remote signal)		B18003	B18004

BRPV3 T1

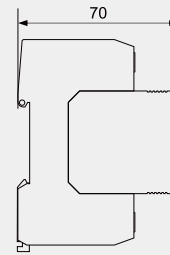
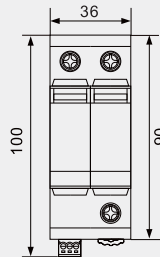
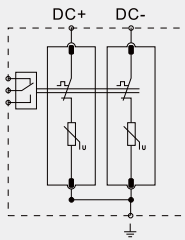
Type 1+2 DC Surge Arrester for PV



3 Mod		BRPV3-600-6.25	BRPV3-1000-6.25	BRPV3-1500-6.25
SPD classification according to IEC61643-31 / EN61643-31		Type 1 + Type 2 / Class I + Class II		
Max. continuous operating dc voltage	Ucpv	600V	1200V	1500V
Lightning impulse current (10/350µs)	Iimp	6.25kA	6.25kA	6.25kA
Nominal discharge current (8/20µs)	In	20kA	20kA	20kA
Max. discharge current (8/20µs)	Imax	40kA	40kA	40kA
Specific energy	W/R	9.76kJ/Ω	9.76kJ/Ω	9.76kJ/Ω
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 2.6kV	≤ 4.0kV	≤ 5.2kV
Leakage current	IPE	<0.1mA	<0.1mA	<0.1mA
Short circuit current	Iscpv	10kA	10kA	10kA
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 ²	4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²	35mm ²
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		B18070	B18072	B18074
Orde code (With remote signal)		B18071	B18073	B18075

BRPV2-600-6.25

Type 1+2 DC Surge Arrester for PV



		BRPV2-600-6.25
SPD classification according to IEC61643-31 / EN61643-31		Type 1 + Type 2 / Class I + Class II
Max. continuous operating dc voltage	Ucpv	600V
Lightning impulse current (10/350µs)	Iimp	6.25kA
Nominal discharge current (8/20µs)	In	20kA
Max. discharge current (8/20µs)	I _{max}	40kA
Specific energy	W/R	9.76kJ/Ω
Voltage protection level [(DC+/DC-)→PE]	Up	≤ 2.6kV
Leakage current	I _{PE}	<0.1mA
Short circuit current	Iscpv	10kA
Response time	t _A	≤ 25ns
Operating temperature range	T _u	-40°C –80°C
Operating state/fault indication		green/red
Cross-section area (Min.)		4mm ²
Cross-section area (Max.)		35mm ²
For mounting on		35mm Din rail
Enclosure material		Thermoplastic UL94-V0
Degree of protection		IP20
Order Code		B18080
Order code (With remote signal)		B18081