Fuses for Semiconductor Protection

CPV22 SERIES FUSES

PRODUCT SPECIFICATION

UL248-19 standard

Product Series

CPV22-A65B

General Description

The **CBVAC Protect CPV22 series** are high-performance cylindrical fuses specifically designed for the overcurrent protection of photovoltaic (PV) systems. Engineered to meet the demanding requirements of solar applications, these fuses provide reliable and rapid interruption of fault currents in PV string combiner boxes and inverters, safeguarding panels and system components.

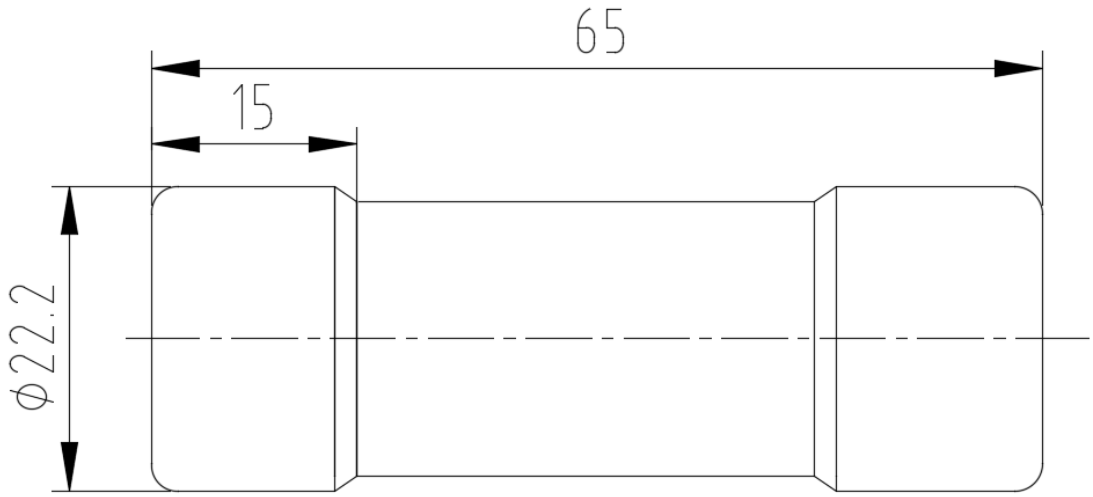
Features & Benefits

- **Superior Overcurrent Protection:** Engineered for fast-acting performance to protect PV panels, strings, and inverters from reverse currents and other fault conditions.
- **High Voltage Rating:** Rated for **1500 Vdc** to accommodate modern, high-efficiency solar installations.
- **UL Recognized:** Designed and tested in accordance with the **UL248-19** standard for photovoltaic fuses.
- **High-Quality Manufacturing:** Produced in an **ISO 9001** certified facility to ensure consistent performance and reliability.
- **Environmentally Compliant:** All materials are fully **RoHS compliant**.

Key Specifications

Parameter	Value
Fuse Size	22 x 65 mm
Rated Voltage	1500 Vdc
Operating Class	gPV
Rated Breaking Capacity	10 kA @ 1500Vdc
Standard	UL248-19

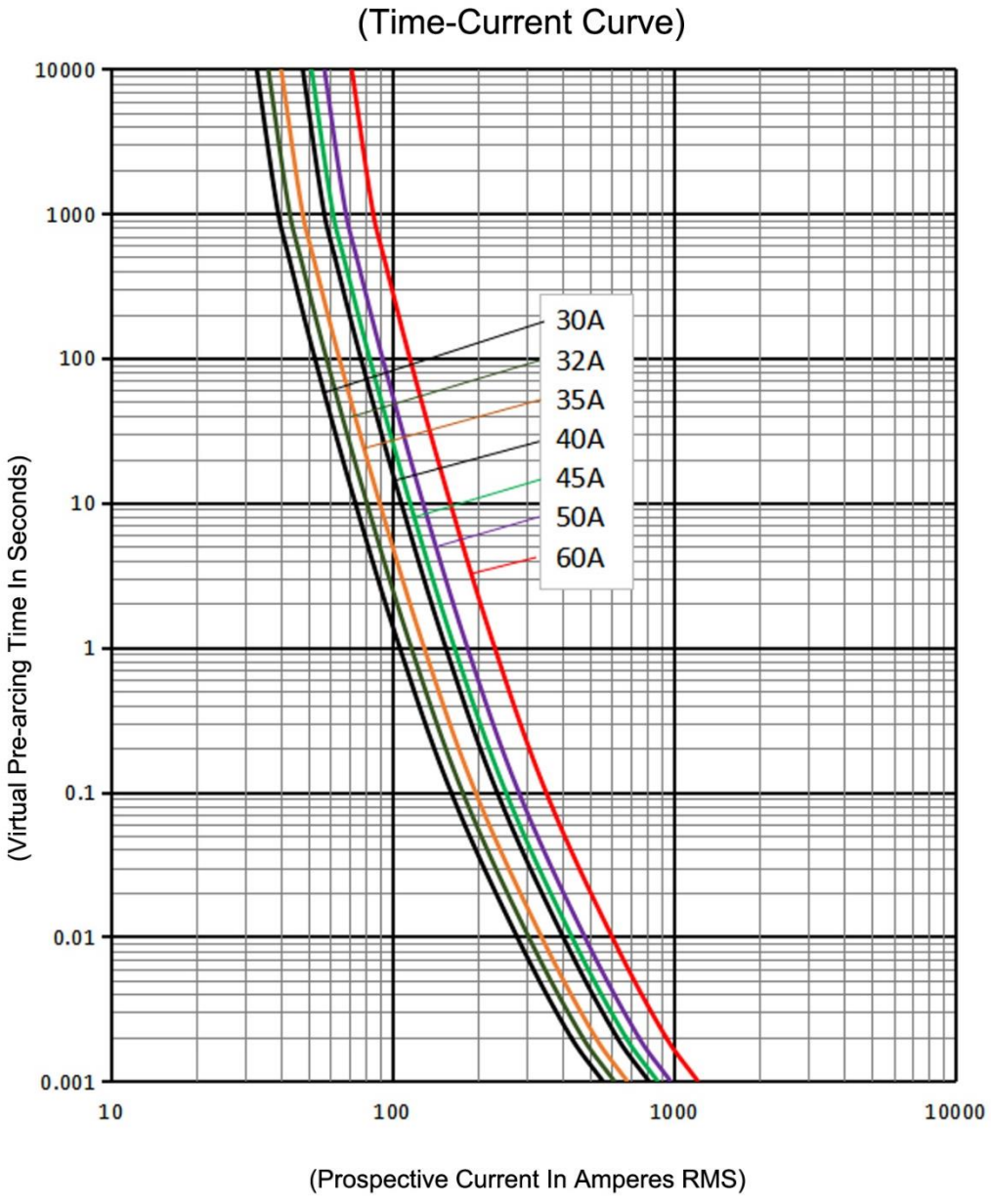
Dimensions



Selection and ordering data

Rated Current (A)	Part Number	Power Loss (W, typ.)	Pre-arcing I²t (A²s)	Total Clearing I²t @ 1500V (A²s)	Weight (kg/pc)	Pack Qty
30	CPV22-30A65B	7.0	230	1200	0.05	10
32	CPV22-32A65B	7.5	360	1800	0.05	10
35	CPV22-35A65B	8.0	400	2000	0.05	10
40	CPV22-40A65B	9.0	430	2300	0.05	10
45	CPV22-45A65B	10.0	550	3000	0.05	10
50	CPV22-50A65B	11.0	850	4200	0.05	10
60	CPV22-60A65B	13.0	1300	6000	0.05	10

Time- Current Characteristics Curve



Operating & Environmental Conditions

Parameter	Requirement / Value
Operating Voltage	≤ 1500 Vdc
Operating Environment	
	Ambient Temperature
	Relative Humidity
Storage Environment	
	Storage Temperature
	Storage Humidity
Altitude	≤ 3000 m *For applications exceeding 3000m, please contact technical support for derating information.*
Installation Torque	Refer to fuse holder/block manufacturer's specification.
Pollution Degree	III

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