

## A85 gPV 1500 VDC Fuse 10x85 mm



### FEATURES:

- 1500 VDC, 10x85 mm PV fuse link with glass-fiber
- Rated Current: 1-32 A
- Rated Breaking Capacity: 30 kA at 1500 VDC
- Time Constant: 1-3 ms
- Special design with silver plated caps for high-power PV applications
- Approvals: UL 248-19 (File: E490190)
- Comply to: IEC 60269-6/GBT 13539.6
- Customizable for special applications

### ELECTRICAL SPECIFICATIONS

Cylindrical	Part Number		Rated Current	Ampere Code	Breaking Capacity	Nom Cold Resistance (mΩ)	I <sup>2</sup> t (A <sup>2</sup> s)		Dissipation (W)		Certifications
	10/12 AWG In-terminal	8 AWG In-terminal					Pre-Arcing	Total	0.8 I <sub>n</sub>	1.0 I <sub>n</sub>	
A851100b00	A851100b01	A851100b02	1 A	1100	30 kA@1500 VDC	1106	59.15	125	0.4	0.7	●
A851200b00	A851200b01	A851200b02	2 A	1200		390	118.3	250	0.7	1.3	●
A851300b00	A851300b01	A851300b02	3 A	1300		290	177.5	375	0.8	1.4	●
A851400b00	A851400b01	A851400b02	4 A	1400		111.5	236.7	500	1.2	1.5	●
A851500b00	A851500b01	A851500b02	5 A	1500		88.2	295.8	625	1.3	1.6	●
A851600b00	A851600b01	A851600b02	6 A	1600		64.8	355.0	750	1.5	3.1	●
A851800b00	A851800b01	A851800b02	8 A	1800		39.95	473.3	1000	1.5	3.1	●
A852100b00	A852100b01	A852100b02	10 A	2100		22.91	591.7	1250	1.6	3.2	●
A852120b00	A852120b01	A852120b02	12 A	2120		21.55	710.0	1500	3.1	5.3	●
A852150b00	A852150b01	A852150b02	15 A	2150		11.52	887.5	1875	3.1	5.3	●
A852160b00	A852160b01	A852160b02	16 A	2160		11.12	946.4	2000	5.6	10.4	●
A852200b00	A852200b01	A852200b02	20 A	2200		9.1	710.0	1500	3.2	5.5	●
A852250b00	A852250b01	A852250b02	25 A	2250		6.3	887.5	1875	3.3	5.6	●
A852300b00	A852300b01	A852300b02	30 A	2300		4.75	1183.3	2500	3.6	6.0	●
A852320b00	A852320b01	A852320b02	32 A	2320		4.53	1760	3150	5.1	8.5	●

**Note:** (1) Typical pre-arcing I<sup>2</sup>t measured at 10\*I<sub>n</sub> current

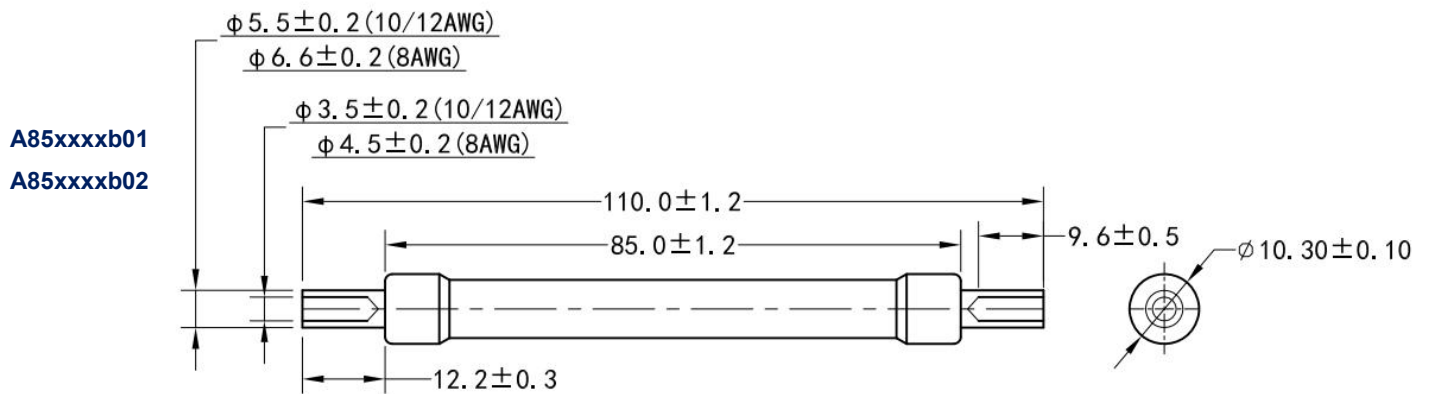
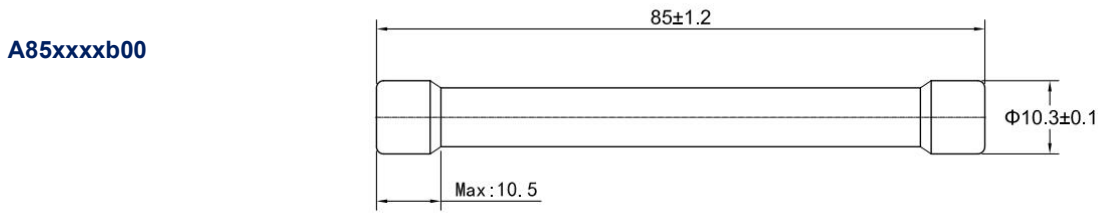
### TIME VS CURRENT CHARACTERISTIC

Rated Current	100 %	135 %	200 %
1-32 A	Temperature Stabilization	<1 h	<4 min

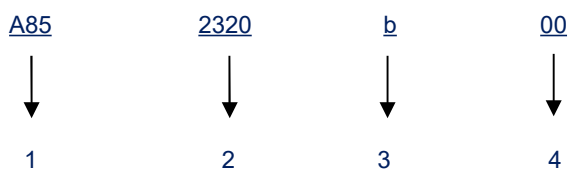
### APPLICATIONS:

- PV combiner/ junction boxes
- Inverters
- Battery Charge Controllers

**DIMENSIONS (mm)**



**PART NUMBER SYSTEM**



- 1 .....Product Series .....A85
- 2 .....Ampere Code .....32 A (see ampere code column of electrical specifications)
- 3 .....Rated Voltage .....b: 1500 V
- 4 .....Supplementary Code .....00: Cylindrical; 01: 10/12 AWG In-terminal; 02: 8 AWG In-terminal

Time Current Curve (reference)

### Average Current Curve (I-T Curve)

