

A65 gPV 1500 Vdc Fuse 14x85 mm



DESCRIPTION

Adler A65 series gPV fuses are specially engineered and tested to provide best-in-class protection performance in protecting photovoltaic strings or arrays, photovoltaic inverters and other devices. Up to 1500Vdc in ratings from 10A to 50A.

AGENCY INFORMATION

- Approvals: UL 248-19 (File: E490190)
- Approvals: IEC 60269-6/GBT 13539.6
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

FEATURES

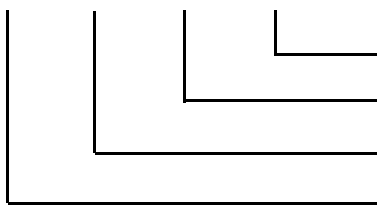
- 1500 Vdc, 14x85 mm PV fuse link with ceramic body
- Rated Current: 10-50 A
- Breaking Capacity: 50 kA at 1500 Vdc
- Time Constant: 1-3 ms
- Special design with silver plated caps for high-power
- PV applications
- Customizable for special application

APPLICATIONS

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

PART NUMBERING SYSTEM

A65 2500 b 00



Supplementary Code: 00: Fixing Mount; 01: 10/12 AWG In-terminal; 02: 8 AWG In-terminal

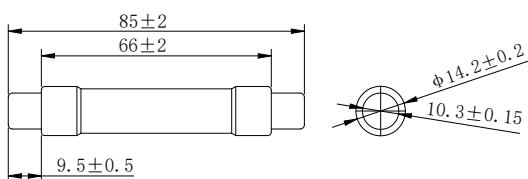
Rated Voltage: b:1500

Ampere Code: 50 A (see ampere code column of electrical specifications)

Product Series: A 65

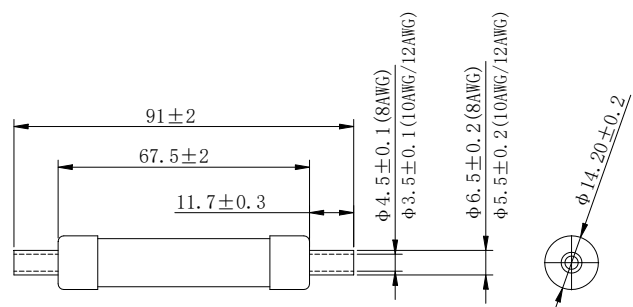
DIMENSIONS (mm)

A65xxxxb00



A65xxxxb01

A65xxxxb02



Packing information

Fuse Size	Box specifications (mm)	Packing quantity / per container	Weight / PCS (g)	Mounting Method
A65xxxxb00	410×215×160	432pcs	33±3%	-
A65xxxxb01	410×215×160	378pcs	38±3%	10/12 AWG
A65xxxxb02	410×215×160	378pcs	40±3%	8 AWG

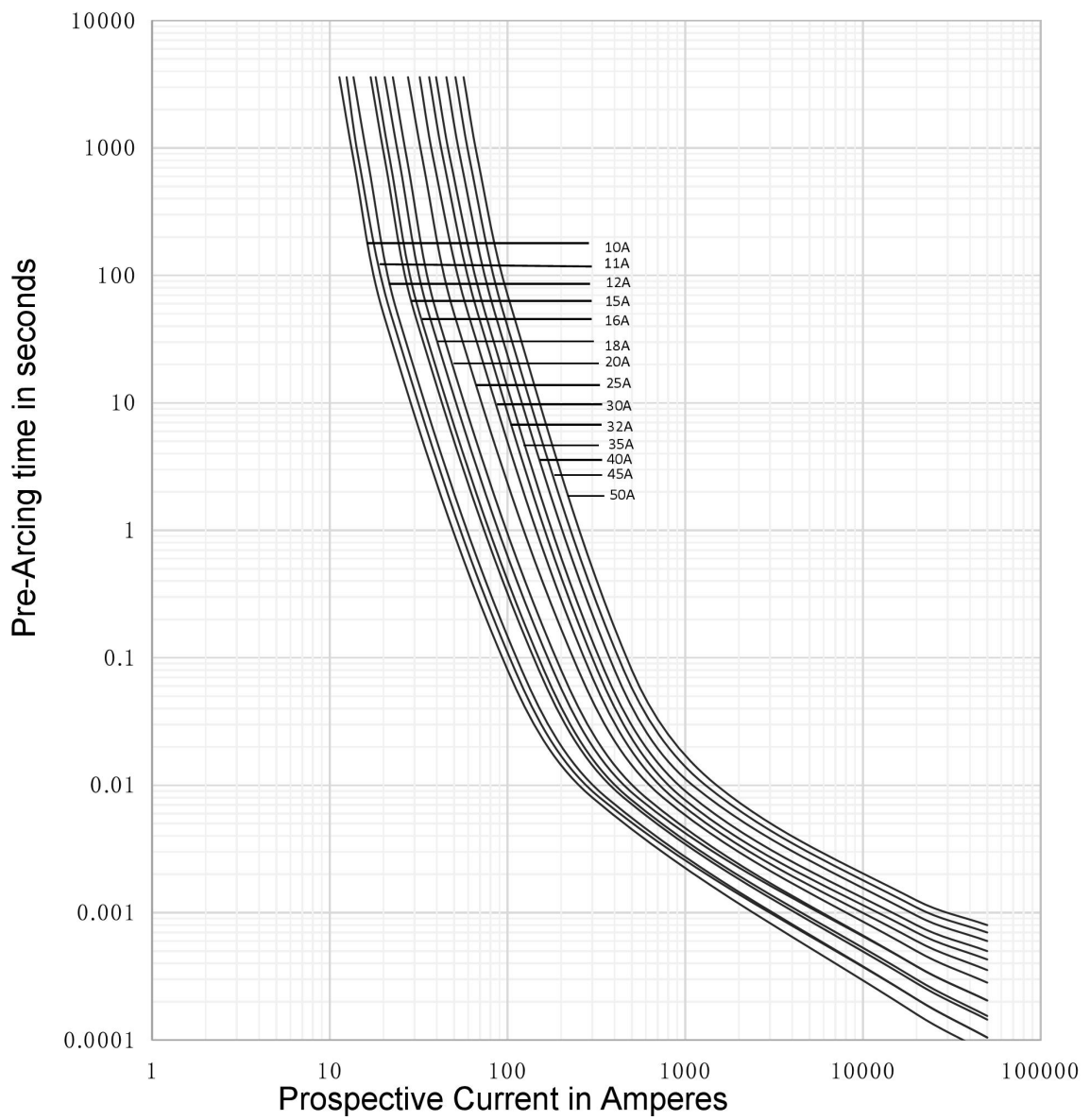
ELECTRICAL SPECIFICATIONS

Part Number		Rated Current	Ampere Code	Breaking Capacity	I ² t (A ² s)		Dissipation (W)		Certifications		
Clip Mount	10/12 AWG In-terminal				8 AWG In-terminal	Pre-Arcing	Total	0.8 I _n	1.0 I _n	UL	TUV
A652100b00	A652100b01	A652100b02	10 A	2100	50 kA@ 1500 Vdc	200	750	3.36	4.2	●	●
A652110b00	A652110b01	A652110b02	11 A	2110		220	760	3.52	4.4	●	●
A652120b00	A652120b01	A652120b02	12 A	2120		240	765	3.76	4.7	●	●
A652150b00	A652150b01	A652150b02	15 A	2150		300	800	4.40	5.5	●	●
A652160b00	A652160b01	A652160b02	16 A	2160		310	810	4.56	5.7	●	●
A652180b00	A652180b01	A652180b02	18 A	2180		350	830	4.96	6.2	●	●
A652200b00	A652200b01	A652200b02	20 A	2200		400	860	5.44	6.8	●	●
A652250b00	A652250b01	A652250b02	25 A	2250		520	930	5.84	7.3	●	●
A652300b00	A652300b01	A652300b02	30 A	2300		630	1050	6.24	7.8	●	●
A652320b00	A652320b01	A652320b02	32 A	2320		780	2550	6.40	8.0	●	●
A652350b00	A652350b01	A652350b02	35 A	2350		1050	4.5K	6.6	8.3	●	●
A652400b00	---	A652400b02	40 A	2400		3.95K	8.3K	7.0	8.8	●	●
A652450b00	---	A652450b02	45 A	2450		4.9K	12K	7.5	9.4	●	●
A652500b00	---	A652500b02	50 A	2500		5.8K	15.9K	8.0	10	●	●

TIME VS CURRENT CHARACTERISTIC

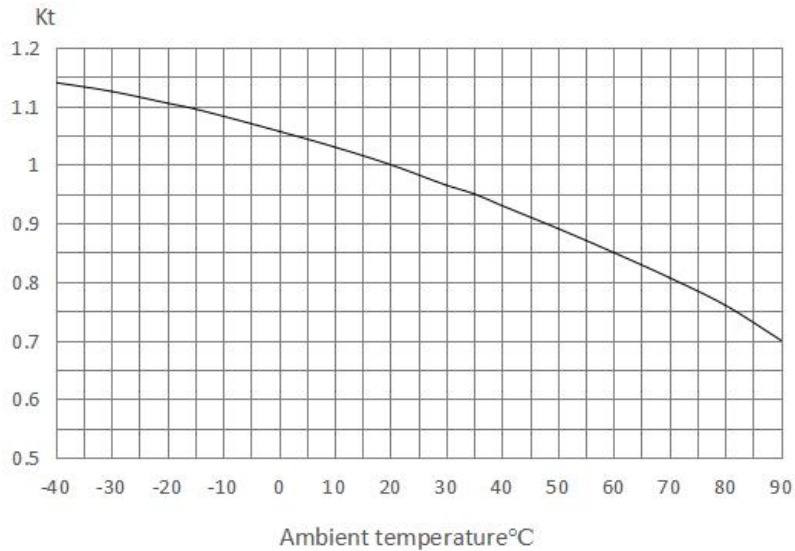
Standard	UL			IEC		
	Rated Current	100 %	135 %	200 %	100 %	113 %
10-50 A	Temperature Stabilization	<1 h	<4 min	Temperature Stabilization	>1 h	<1 h

Time Current Curve (reference)



TEMPERATURE CORRECTION CURVE

When the fuse is operating below -5°C or above 40°C , the rated current needs additional modification. The correction factor is K_t .



OPERATION CONDITIONS

Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

- Normal temperature: $-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$, permissible operating temperature: $-40^{\circ}\text{C}-90^{\circ}\text{C}$.
- The altitude of the site of installation of the fuses should not exceed 2000 m above sea level and permissible altitude site of installation does not exceed 5000m.
- The air should be clean and it's relative humidity does not exceed 50% at the maximum temperature of 40°C .
- Higher relative humidity is permitted at lower temperatures, e.g. 90% at 20°C .
- Under these conditions, moderate condensation may occasionally occur due to variation in temperatures.
- For operating conditions other than detailed above, please contact manufacturer.

STORAGE

During transportation and storage, avoid water seepage and mechanical damage.

WEB RESOURCES

Download the latest technical documents: www.adlerelectric.com. Specifications are subject to change without notice.