



ATX 1000Vdc EV FUSE



DESCRIPTION

Adler ATX series EV fuses are specially engineered and tested to provide best-in-class protection performance in protecting high power battery charging and managing systems of Electrical Vehicles and Hybrid Electrical Vehicles, up to 1000 Vdc in ratings from 250A to 600A.

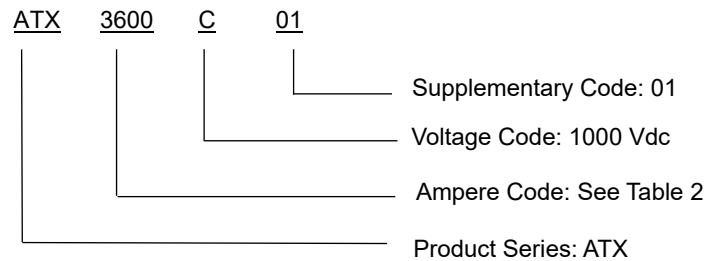
AGENCY INFORMATION

- Designed to UL 248-20; UL 248-13; JASO D622
- UL Component
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

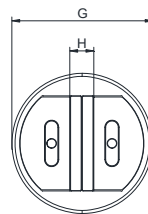
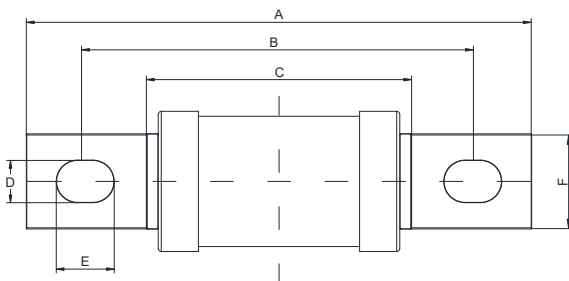
FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 50kA
- QR code marks on each fuse for traceability

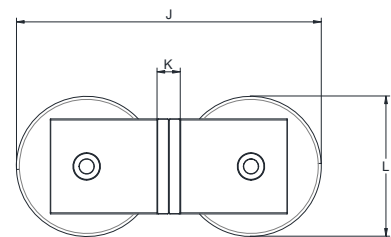
PART NUMBERING SYSTEM



DIMENSIONS (mm):



Single



Twins

Part Number	A ±2	B ±1.5	C ±1	D ±0.5	E ±0.5	F ±1	G ±0.5	H ±0.5	J ±1.5	K ±0.5	K ±0.5
ATXxxxxC01 single	133	101.5	70	11	15	25	37.3	6	-	-	-
ATXxxxxC01 twins	133	101.5	70	11	15	25	-	-	81.5	6	37.3

Unit: mm

Table 1
ELECTRICAL SPECIFICATIONS

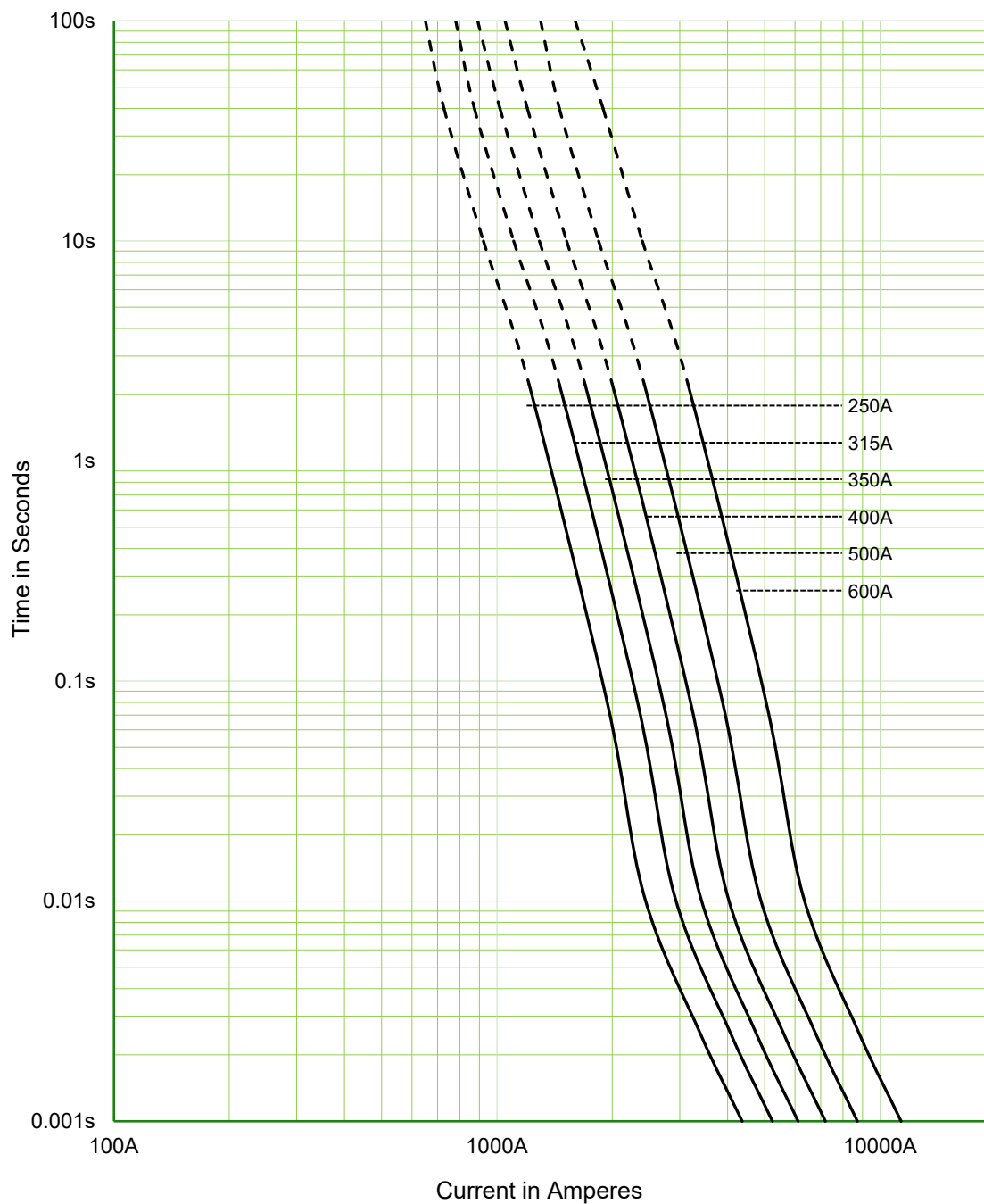
Size	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Pre-Arcing I ² t	Melting I ² t	Watt Loss(W)	
(mm)					UL**	(A ² s)	(A ² s)	0.5 I _n	0.8 I _n
133x37	ATX3250C01	250 A	3250	1000Vdc	50kA	16500	52000	9	3
	ATX3315C01	315 A	3315	1000Vdc	50kA	24000	77000	12	36
	ATX3350C01	350 A	3350	1000Vdc	50kA	32000	100000	14	45
133x81	ATX3400C01	400 A	3400	1000Vdc	50kA	55000	140000	15	48
	ATX3500C01	500 A	3500	1000Vdc	50kA	75000	190000	17	60
	ATX3600C01	600 A	3600	1000Vdc	50kA	130000	320000	21	68

Table 2

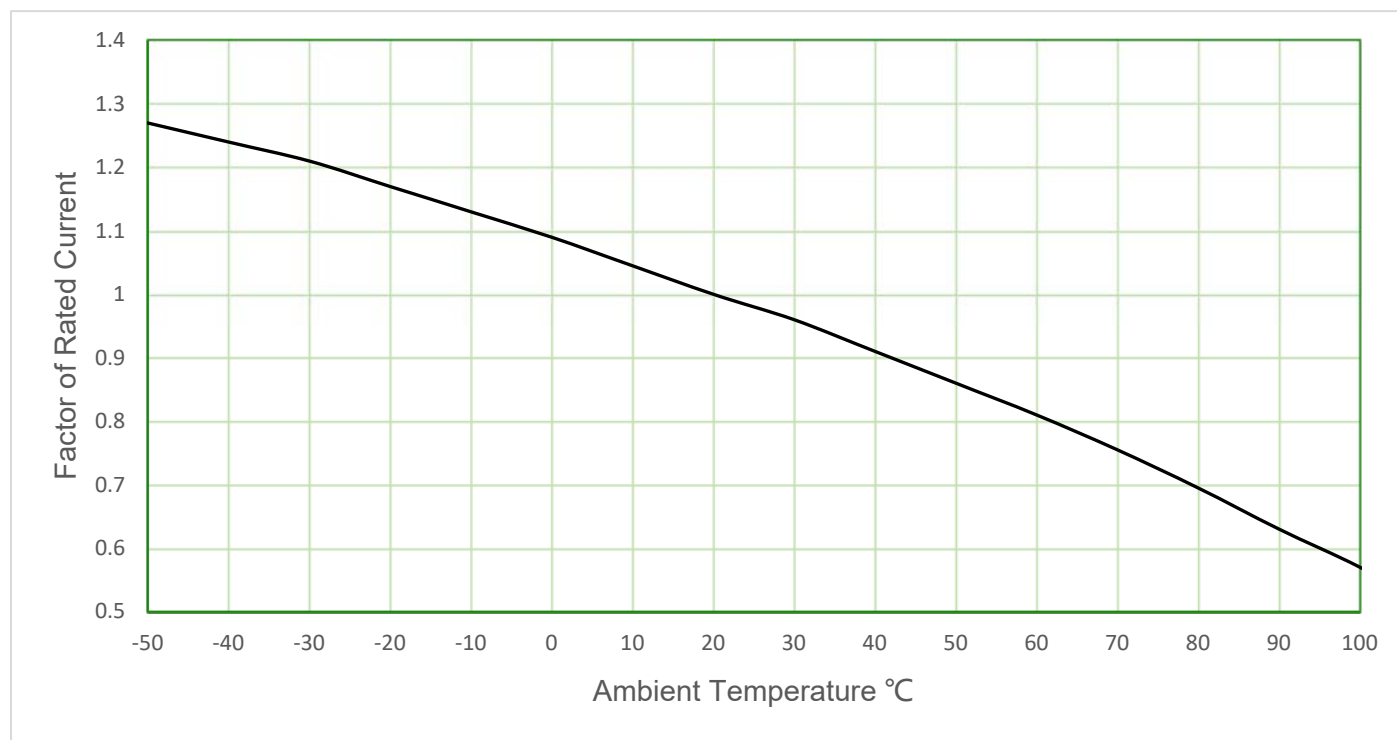
1. ** --- UL File: E485737
2. 0.5I_n Temperature rise: <50 K

TIME CURRENT CURVE

ATXxxxxC01 (250A-600A)

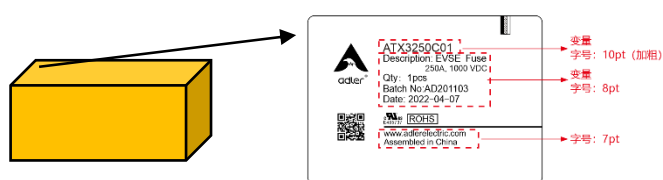
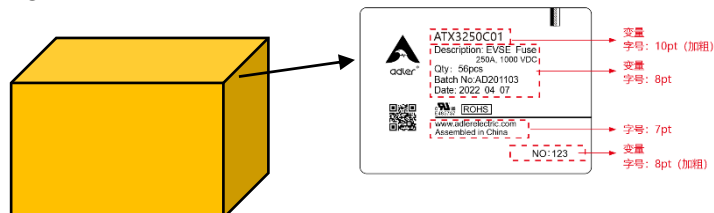
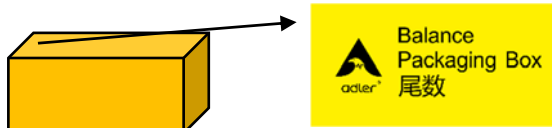
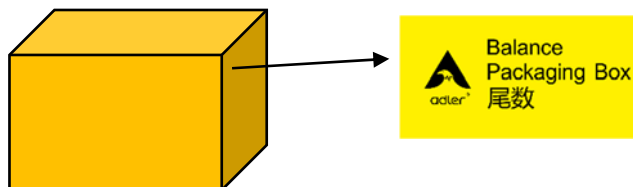


TEMPERATURE DERATING CURVE



PACKING INFORMATION

P/N	Product Single Weight (kg)	Inner Quantity (pcs)	Inner Box Size (mm)	Inner Gross Weight (kg)	Carton Quantity (pcs)	Outer Carton Box(mm)	Carton Gross Weight (kg)
ATXxxxxC01 (250A-350A)	0.288	1	133x40.5x37.5	0.3	56	380x245x200	17.49
ATXxxxxC01 (400A-600A)	0.507	1	118x115x45	0.544	24	380x245x200	13.474

Inner Box

Outer carton box

Balance Box

Outer carton box

Inner box
WEB RESOURCES

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

Change record				
Edition	Date	Content Change	Editor	Approver
A/0	2022-4-7	Update datasheet format	Jeffery Li	Glenn Starling