



EF3 EV Fuse



Features

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 50kA
- Operation as low as 410% I_n overload protection
- QR code marks on each fuse for traceability

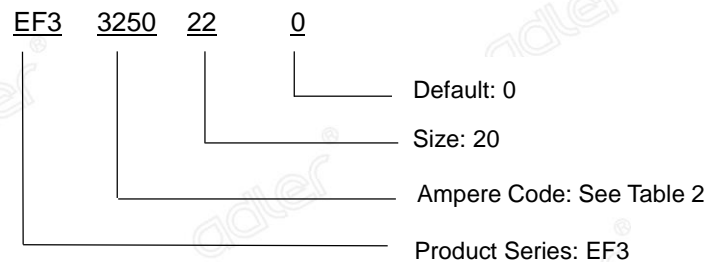
Description

Adler EF3 series EV fuses is 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 315 Vdc in ratings from 150A to 700A.

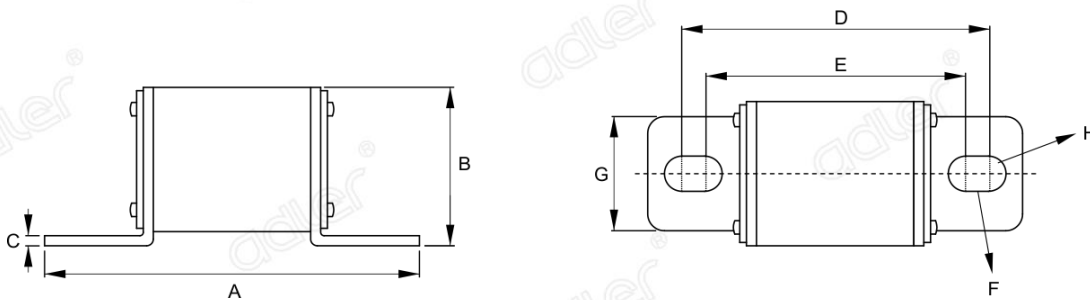
Agency Information

- Designed to UL 248-20, ISO 8820-8, GB/T 31465
- UL certified (150A~500A)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

Part Numbering System



Dimensions (mm):



Fuse Size	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm
77x20	77	25.0	2	61.5	50.0	5.75	20.0	φ 8.5
79x32	79	24.0	2	62.5	49.5	6.5	32.3	φ 8.5
77x30	77	31.8	2	59.0	51.0	4.0	30.0	φ 8.5



EV | 200 Vdc EV Fuse Links

Electrical Specifications

Table 2

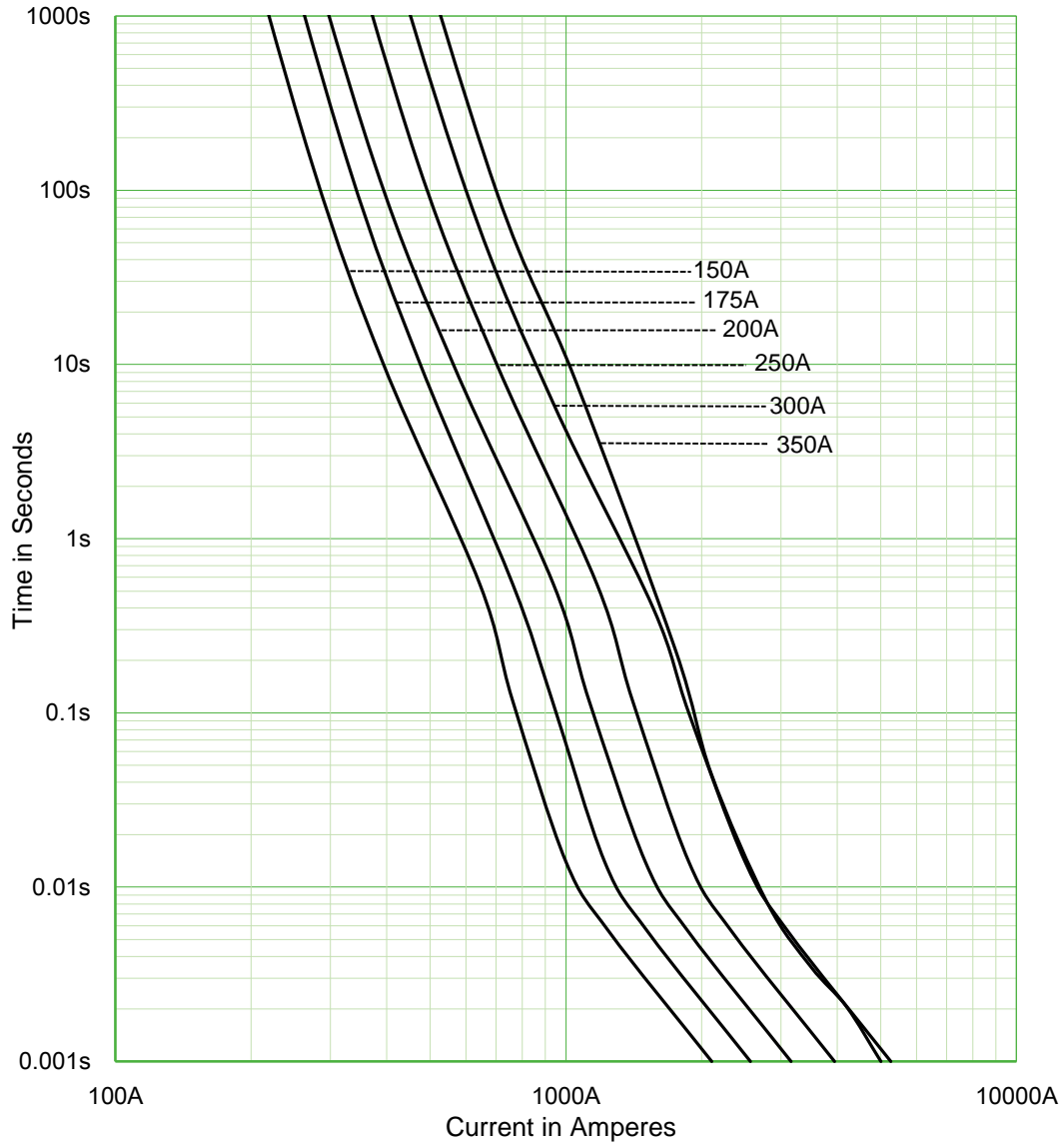
Size	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity		Pre-arcing A ² sec	Watt Loss(W) 1.0In
					UL **	Self-Certified		
77x20	EF33150220	150 A	3150	200 VDC 315 VDC	4.1In~50 kA@200 VDC	6kA@315 VDC	4500	23.1
	EF33175220	175 A	3175	200 VDC 315 VDC	4.1In~50 kA@200 VDC	6kA@315 VDC	6600	25.2
	EF33200220	200 A	3200	200 VDC 315 VDC	4.1In~50 kA@200 VDC	6kA@315 VDC	8500	27.5
	EF33250220	250 A	3250	200 VDC 315 VDC	4.1In~50 kA@200 VDC	6kA@315 VDC	16000	30.5
	EF33300220	300 A	3300	200 VDC	4.1In~50 kA@200 VDC	-	29000	34.3
	EF33350220	350 A	3350	200 VDC	○	50 kA@200 VDC	31500	37.5
79x32	EF33350370	350 A	3350	250 VDC	4.1In~50 kA@250 VDC	-	28750	44.5
	EF33400370	400 A	3400	250 VDC	4.1In~50 kA@250 VDC	-	43700	45.5
	EF33450370	450 A	3450	250 VDC	4.1In~50 kA@250 VDC	-	56350	57.0
	EF33500370	500 A	3500	250 VDC	4.1In~50 kA@250 VDC	-	67600	61.3
77x30	EF3360037A	600 A	3600	150 VDC	○	50 kA@150 VDC	82000	66.0
	EF3370037A	700 A	3700	150 VDC	○	50 kA@150 VDC	128000	75.0

1. ** --- UL File: E506668
2. ○ --- UL certification in process



Time Current Curve

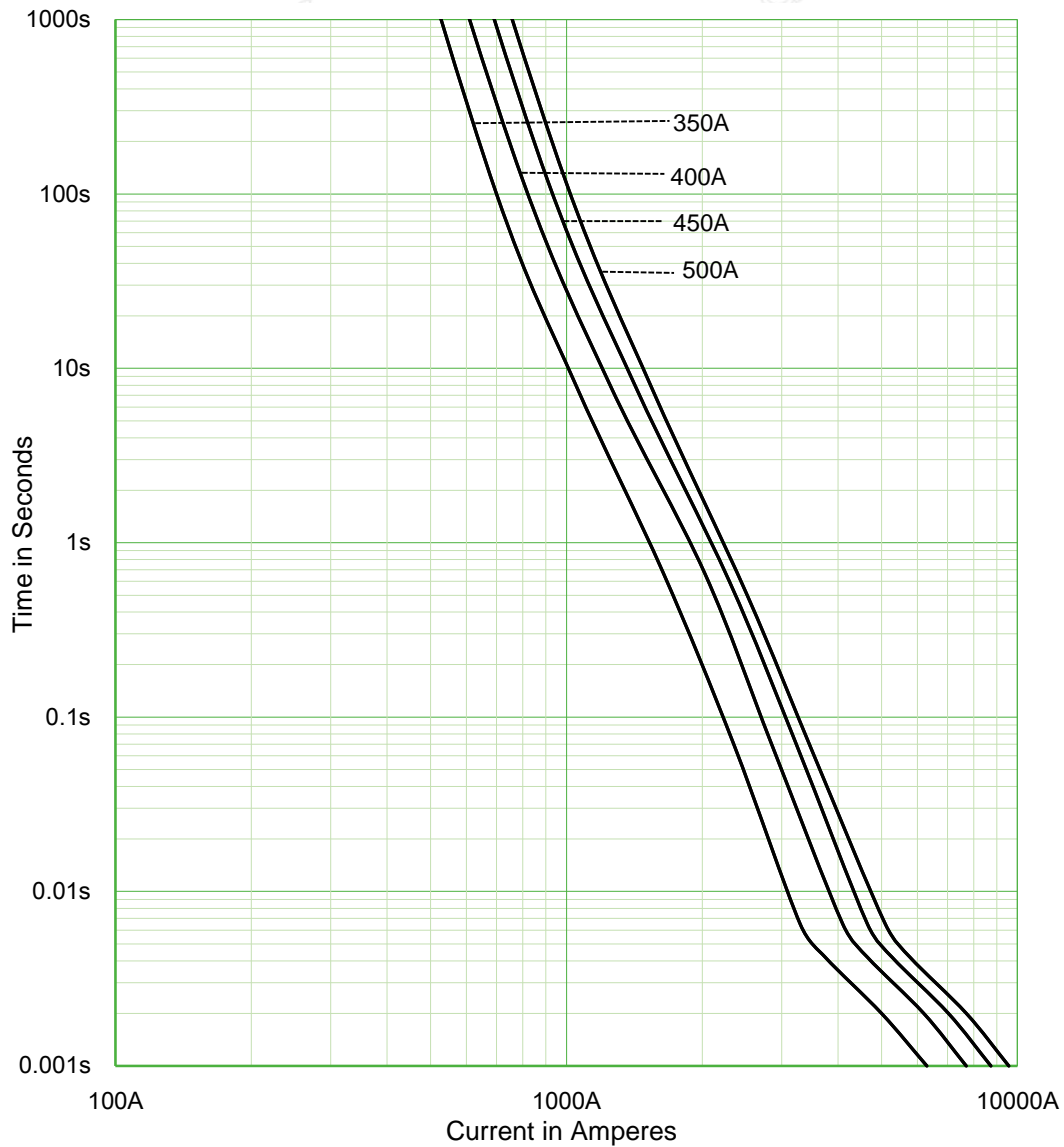
EF3xxx220





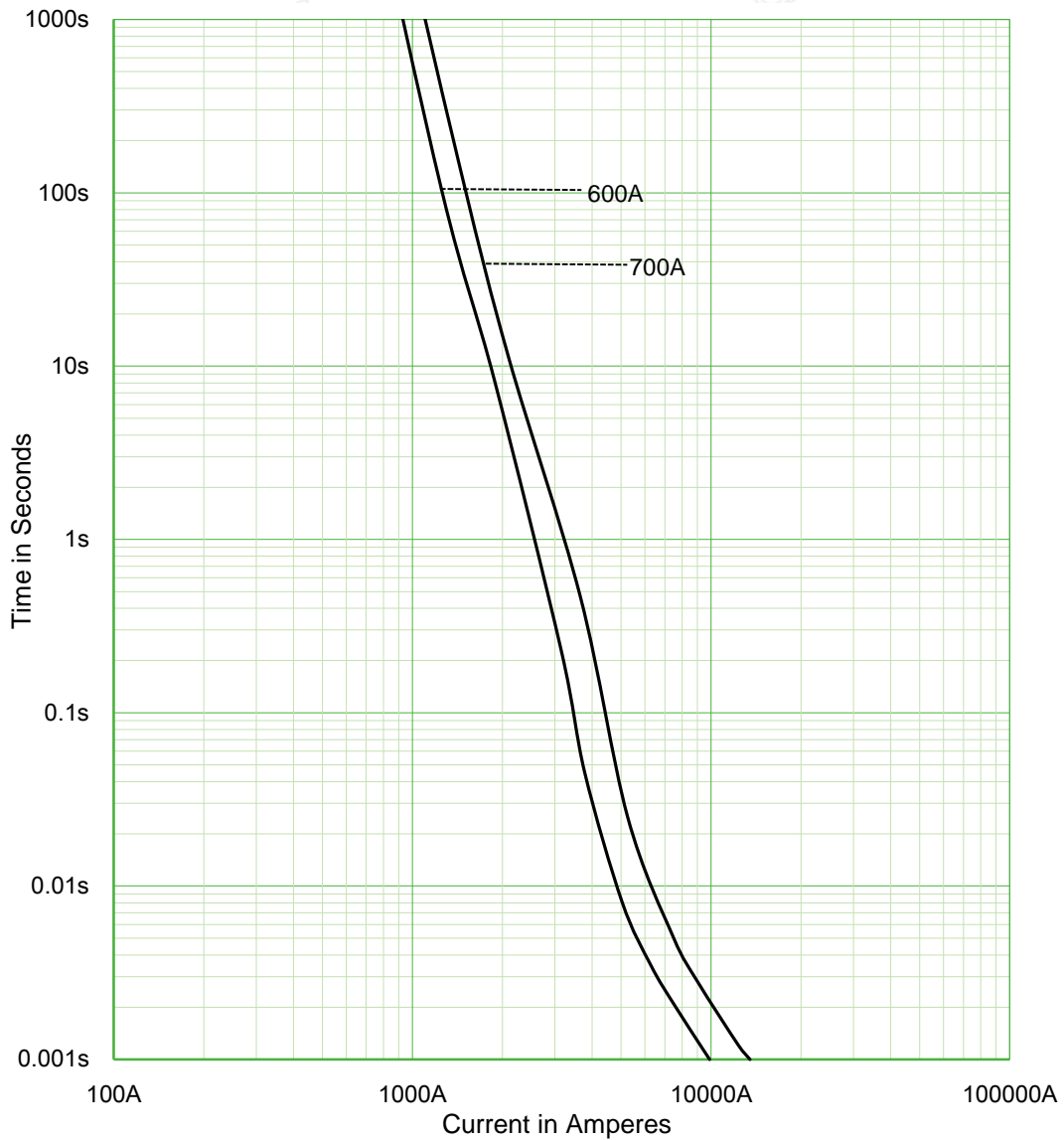
EV | 200 Vdc EV Fuse Links

EF3xxx370





EF3xxx37A



Web Resources

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