# EFX EV Fuse

## DESCRIPTION

Adler EFX 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 125A to 500A.

## 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

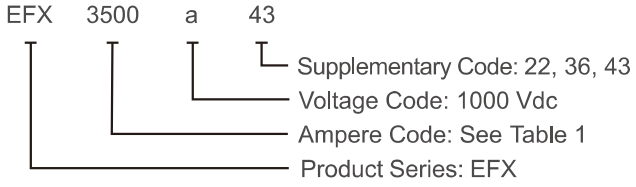
## AGENCY INFORMATION

- Manufactured in accordance with UL 248-20, JASO D6822
- Approvals: UL (pending).

## APPLICATIONS

- BDU Protection
- Drive Train Protection
- EV/HEV Power Management and Protection

## PART NUMBER SYSTEM




## ELECTRICAL SPECIFICATIONS

| Size(mm) | Part Number | Rated Current | Ampere Code | Rated Voltage | Breaking Capacity | | $I^2t$ ($A^2sec$) | | Watt Loss (W) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | UL** | Self -Certified | Pre-arcing | Total@1000Vdc | 0.5In |
| 57x22 | EFX3125a22 | 125A | 3125 | 1000 Vdc | 4In~50kA | - | 3200 | 22600 | 4.5 |
| | EFX3160a22 | 160A | 3160 | 1000 Vdc | 4In~50kA | - | 5400 | 43200 | 5.7 |
| | | | | | | | | | |
| 74x36 | EFX3150a36 | 150A | 3150 | 1000 Vdc | - | 4In~50kA | - | - | 4.5 |
| | EFX3200a36 | 200A | 3200 | 1000 Vdc | - | 4In~50kA | - | - | 6.6 |
| | EFX3250a36 | 250A | 3250 | 1000 Vdc | 4In~50kA | - | - | - | 8.5 |
| | | | | | | | | | |
| 71x47 | EFX3200a43 | 200A | 3200 | 1000 Vdc | 4In~50kA | - | 5300 | 26800 | 7. 9 |
| | EFX3250a43 | 250A | 3250 | 1000 Vdc | 4In~50kA | - | 9600 | 49980 | 10. 3 |
| | EFX3300a43 | 300A | 3300 | 1000 Vdc | 4In~50kA | - | 13200 | 69300 | 12. 7 |
| | EFX3350a43 | 350A | 3350 | 1000 Vdc | 4In~50kA | - | 21600 | 115000 | 14. 5 |
| | EFX3400a43 | 400A | 3400 | 1000 Vdc | 4In~50kA | - | 28600 | 163000 | 17. 0 |
| | EFX3450a43 | 450A | 3450 | 1000 Vdc | 4In~50kA | - | 38200 | 223000 | 19. 5 |
| | EFX3500a43 | 500A | 3500 | 1000 Vdc | - | 4In~50kA | 49600 | 294000 | 21. 0 |

Table1 Note: 1. ** -- UL File: E506668
2. EFXxxxxa22, EFXxxxxa43 temperature rise: 0.5In < 50K.
3. EFXxxxxa22 and EFXxxxxa36 recommended mounting torque is 12+/-1.0Nm (M8);
4. EFXxxxxa43 recommended mounting torque is 20+/-1Nm (M10).