
EV and motor protection fuses





Overcurrent protection

Overcurrent protection is critical to personal safety and protection of your system.

All electrical systems eventually experience overcurrent's. Unless removed in time, even moderate overcurrent's quickly overheat system components, damaging insulation, conductors, and equipment. Large overcurrent's may melt conductors and vaporize insulation. Very high currents produce magnetic forces that bend and twist bus bars. These high currents can pull cables from their terminals and crack insulators and spacers.

Protection against overload and short-circuit:

An overload is an overcurrent confined to normal current paths in which there is no insulation breakdown. A short-circuit is an overcurrent flowing outside of its normal path. Types of short-circuits are generally divided into three categories: bolted faults, arcing faults, and ground faults.

As an independent supplier, Vandapower can supply a large number of fuses from several brands to protect your system. If you can't find the fuse you need in this folder, just send us a request with the necessary information so that we can help you find the correct fuse.

The most important selection criteria to choose the correct fuse for your application:

- Current Rating
- Voltage Rating
- Interrupting Rating
- Type of Protection and Fuse Characteristics
- Current Limitation
- Physical Size
- Indication

For the ordering codes, please contact us, providing us the above information or the original supplier code.

EV – Battery pack fuses

MEV100 Ferrule fuse Mersen



MERSEN

Type	Voltage Rating	Current Rating	Rated breaking capacity DC	Standard
MEV100C	1000 VDC	8 – 30 A	20 kA	JASO D622 / ISO-TS16949

MEV100 Surface mount fuse Mersen



MERSEN

Type	Voltage Rating	Current Rating	Rated breaking capacity DC	Standard
MEV100Cx-S	1000 VDC	8 – 30 A	20 kA	JASO D622 / ISO-TS16949

MEV100 Round body fuse Mersen



MERSEN

Type	Voltage Rating	Current Rating	Rated breaking capacity DC	Standard
MEV100A	1000 VDC	50 – 300 A	100 kA	JASO D622 / ISO-TS16949
MEV100J	1000 VDC	350 – 600 A	20 kA	JASO D622 / ISO-TS16949

Motor protection fuses

Class RK5 fuse Mersen




Type	Voltage Rating	Current Rating	Standard
TR-R	250 VAC / 250 VDC	0,1 – 400 A	UL 248-12 / CSA C22.2
TR-R	160 VDC	3 – 600 A	UL 248-12 / CSA C22.2
TRS-R	600 VAC / 600 VDC	0,1 – 600 A	UL 248-12 / CSA C22.2
TRS-R	300 VDC	15 – 60 A	UL 248-12 / CSA C22.2

Class RK5 Littelfuse




Type	Voltage Rating	Current Rating	Standard
IDSR	600 VAC / 600 VDC	0,1 – 600 A	UL 248-12 / UL 198M / CSA (File: LR29862)
FLNR	250 VAC / 125 VDC	0,1 – 600 A	UL 248-12 / CSA (File: LR29862)
FLSR	600 VAC / 300 VDC	0,1 – 600 A	UL 248-12 / CSA (File: LR29862)