

EVpack-fuse MEV55

550 VDC Max., L/R $\leq 1\text{ms}$, 5 - 50A

SPECIAL PURPOSE

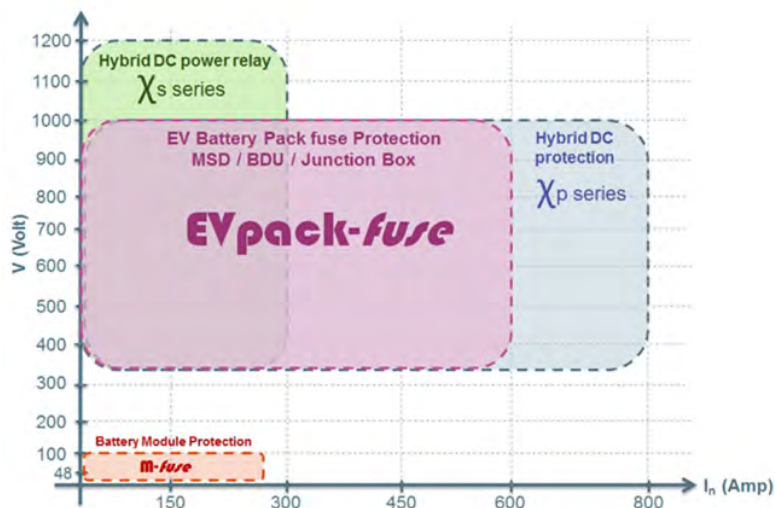
BATTERY PACK FUSES



EVpack-fuse line-up belongs to the new DC Over-Current protection (O.C.P.) range developed by Mersen to address specific needs in EV/HEV and Battery Electrical Storage System.

EVpack-fuse provides the ultimate protection of the battery pack offering reliable clearing of DC fault currents.

It has been specifically engineered and tested to provide DC applications best-in-class protection performance: Up to 550VDC, Current rating (I_n) = 5 to 50A, Interrupting Rating (IR) = 20kA, L/R $\leq 1\text{ms}$, Minimum Breaking Capacity (MBC) < 3kA for a perfect matching with DC contactor.



FEATURES/BENEFITS:

- Design for DC applications
- Low watt losses
- High cycling performance
- Full coverage of battery module voltage and current
- Ultra compact size
- Current Ratings (I_n): 5 to 50A
- Interrupting Rating (IR): 20kA @ 550VDC, L/R < 1ms

SP

APPLICATIONS:

- EV/HEV
- Electrical Energy Storage
- Battery pack protection
- Battery Disconnect Unit (BDU)
- Battery Junction Box for auxiliaries
- Battery charger
- Supercapacitor pack protection
- Backup protection for DC relay/disconnector / switch
- Maintenance Safety Disconnect (MSD)

STANDARDS:

- Power Cycling & Vibration: JASO D622
- IATF - ISO/TS 16949 Quality management undergoing certification



ACCESSORIES

Fuse blocks



30311



30312



30313



30321



30322



30323

Catalog number	Item number	Rated DC voltage	Application DC Fuses	Number of poles/phases	Contact Materials	Wire Range	Weight
Open-style fuse blocks							
Screw w/ double quick connects at both ends							
30310	30310	600 V	MEV55C fuses up to 30A	Adder	Tin-plated Copper	Cu #10-14	42 g
30311	30311	600 V	MEV55C fuses up to 30A	1	Tin-plated Copper	Cu #10-14	47 g
30312	30312	600 V	MEV55C fuses up to 30A	2	Tin-plated Copper	Cu #10-14	80 g
30313	30313	600 V	MEV55C fuses up to 30A	3	Tin-plated Copper	Cu #10-14	0.12 kg
Pressure plate (sems) w/ double quick connects at both ends							
30320	30320	600 V	MEV55C fuses up to 30A	Adder	Tin-plated Copper	Cu #10-14	-
30321	30321	600 V	MEV55C fuses up to 30A	1	Tin-plated Copper	Cu #10-14	96 g
30322	30322	600 V	MEV55C fuses up to 30A	2	Tin-plated Copper	Cu #10-14	93 g
30323	30323	600 V	MEV55C fuses up to 30A	3	Tin-plated Copper	Cu #10-14	0.13 kg
Copper box							
30350	30350	600 V	MEV55C fuses up to 30A	Adder	Tin-plated Copper	Cu #6-14	-
30351	30351	600 V	MEV55C fuses up to 30A	1	Tin-plated Copper	Cu #6-14	49 g
30352	30352	600 V	MEV55C fuses up to 30A	2	Tin-plated Copper	Cu #6-14	-
30353	30353	600 V	MEV55C fuses up to 30A	3	Tin-plated Copper	Cu #6-14	0.13 kg