

BreakingNews



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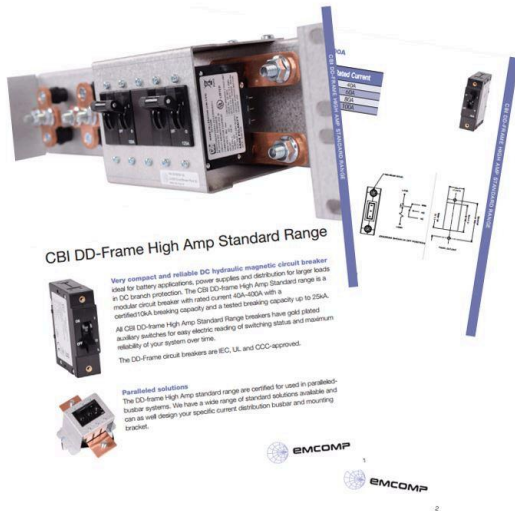


Battery protection – standard range available

With today's high energy prices and the need to shift to renewable and sustainable energy sources there is a growing market for the possibility to store energy. Both energy which comes from solar or wind power etc but also energy storage systems which can utilize energy from the grid when there is a surplus in supply and therefore lower costs.

To store energy, different type of battery systems are used. A common feature of these type of systems is that they are DC systems and they need robust circuit protection since a short circuit in a battery system can have terrible consequences. To find circuit breakers that operate on DC and can handle high currents is normally not easy. In many cases a standard AC MCB is used, which are designed for AC current and not DC current which is more difficult for the MCB to handle. If the arc, which occur when a DC voltage is switched is not extinguished, the contacts in the MCB will weld together with critical failure as a consequence.

[Read more here](#)



Standard Range

Key features:

Emcomp deliver dedicated battery circuit breakers, manufactured by CBI, to many of the battery system OEM's in the world. In order to create the best possible availability and cost we have defined a standard range of battery circuit breakers which we always keep available on stock for immediate delivery.

[Link to datasheet --->](#)

- Dedicated DC product
- Standard ratings from 40 up to 400A
- Traditional long time delay characteristics
- Hydraulic-Magnetic operation – will always keep rated current regardless of ambient temperature
- Approved to the toughest international industrial standards, UL listed and IEC60947-2 approved
- Hy-Mag operation minimize the losses in the circuit and contribute to a sustainable solution



Mounting bracket for DIN rail

The range is of the CBE, Circuit Breaker for Equipment, type which means it is intended for compact mounting in a front cover. However, if you prefer mounting on a DIN rail, we have solutions for that.

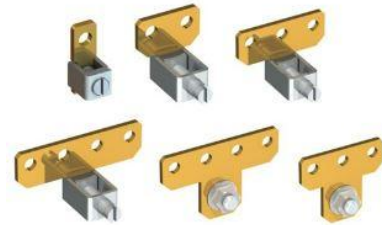
[More info](#)



Surface mounting bracket for DD-frame

If you prefer to mount on any surface, we have our surface mount adapter.

[More info](#)



Paralleling busbars for front mounted CBEs

For easy installation we have a wide range of connection and paralleling options.

[Link to datasheet --->](#)

[More info](#)

Battery Cables

Last but not least, we supply a standard range of 50 and 70mm² battery cables.

Our standard range of power cables is based on the "AMOSOF" cable. That is a highly flexible, halogen



free, cable approved for temperature s between -40 and +90 degrees C. The standard range consist of different length from 1,5 up to 3 m in blue and black color.

[More information --->](#)

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