Battery Control Module (BCM)



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The BCM battery control module is for control of the CM 1.7 A and CM 3.4 A charging modules via the Charge Control Bus (CCB). Messages such as fault, isolation fault and boost charge can be forwarded via the zero-potential signal contacts of the BCM.

LEDs on the module signal boost charge, charge fault and isolation fault between the battery + and PE or battery – and PE.

For simulating a battery isolation fault there are two buttons: ISO+ and ISO

Charging characteristics		IU
Terminals		2.5 mm² rigid and flexible
End-of-charge voltage (factory setting for +20°C)	boost charge trickle charge	259 V DC 248 V DC
Deep discharge protection		183.6 V DC
Potential-free signal contacts		0.5 A/24 V AC/DC

Ordering details

Type	Scope of supply	Order No.
BCM	Battery Control Module for installation on gear tray	40071360330

Charging module CM 1.7 A



Charging modules CM 1.7 A and CM 3.4 A

To realise the recharging duration for planned battery sets, the quantity of required charge modules should be used as specified in Table 3 (in this section).

Charging current CM 1.7 A	1.7 A
Charging current CM 3.4 A	3.4 A
Control of the charging modules (32 max.) via the Battery Control Module and the CCB.	
To save energy and extend service life of the charge modules, these are alternatively switched with the float charge.	

Charging module CM 3.4 A



Ordering details

Type	Scope of supply	Order No.
Charging module CM 1,7 A	For installation on gear tray	40071360340
Charging module CM 3.4 A	For installation on separate gear tray	40071360370