



6 kWh LI-ION BATTERY

STANDARD ENERGY-MODULE

SCALABLE, SAFE, TURN-KEY READY



Dust- and Water Protection: IP 66



Modular and scalable Configuration



Robust Metal Housing



Recycle- and Reusable



Fast Charging Capable



Safety: Integrated BMS



Operational Temperature: -20°C to +60°C



Plug & Play



360° Mechanical Integration



Made in Germany

Technical Data		
Type	A48060MC	A48060F
Capacity brutto (Ah)	133,56	133,56
Capacity netto (Ah)	127,26	127,26
Capacity usable (Ah)	115,25	115,25
Rated Capacity (Ah)	122,00	122,00
Module energy brutto (Wh)	6731,42	6731,42
Module energy netto (Wh)	6413,90	6413,90
Module energy usable (Wh)	5808,50	5808,50
Rated Energy (Wh)	6308,06	6308,06
Discharge Constant (A) ³	127,26	127,26
Discharge Max (A) ²	150,00	200,00
Charge Standard (A)	38,18	38,18
Charge Max (A)	63,00	63,00
Nominal voltage (V)	50,40	50,40
Operational voltage range (V)	40V - 57,5V	40V - 57,5V
Cell Chemistry	Li-NMC	Li-NMC
Temperature Range*	"Charge: 10°C to +45°C, Discharge: -20°C to +45°C"	"Charge: 10°C to +45°C, Discharge: -20°C to +45°C"
Water / Dust Protection	-	-
Humidity / Operational Elevation	5 to 95 % / < 4.000 m	5 to 95 % / < 4.000 m
Configuration / Communication	CAN	CAN
Functions	2x M12 Data Connector	"Heating, 2x M12 Data Connector Must be used with AEC VB Controller"
Usage	"Standalone Parallel only as Engineering Project"	Only with Controller VB (coming soon)
Housing	1,5 mm V2A Steel	1,5 mm V2A Steel
Dimensions	983mm x 338mm x 123,4mm	983mm x 338mm x 123,4mm
Weight	48,5 kg	48,5 kg

*: Temperature of internal cells, ambient temperature may differ, ²: Discharge current depends on cell temperature. High current draw will cause the cell to heat up and will lead to a protective shutdown
³: Constant current for 1 complete discharge cycle at 20°C ambient temperature, ⁴: depends on the specification of the used battery

aentron Energy Solutions is a developer and manufacturer of lithium-ion energy storage solutions for maritime, industrial, mobility and building applications.

aentron develops and produces in Germany.