

1 kWh LI-ION BATTERY - TYPE M (60 A)

STANDARD ENERGY-MODULE

SCALABLE, SAFE, TURN-KEY READY

- E-Maritime
- E-Mobility
- E-Industry
- E-Building



Dust- and watertight: IP 66



Safety:
Integrated Battery Management System



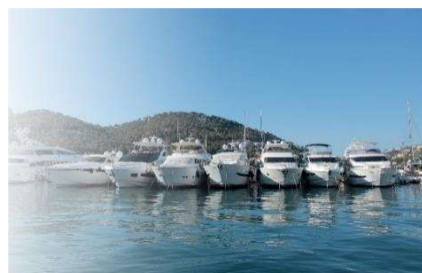
Robust:
Alu Die Cast Housing



360° Mechanical Integration



Operational Temp.
-20 °C to +60 °C



Parallel configurable



Recycle-and Reusable



Fast Charging Capable



TECHNICAL INFORMATION	12 Vdc - M	24 Vdc - M	48 Vdc - M
Type	A12010M	A24010M	A48010M
Module-Capacity	69.9 Ah	40.6 Ah	20.3 Ah
Module-Energy	1006 Wh	1023 Wh	1023 Wh
Discharge Constant Power Max	720 W @ 60 A	1440 W @ 60 A	2880 W @ 60 A
Nominal Voltage	14.4 Vdc	25.2 Vdc	50.4 Vdc
Operational Voltage	11.5 Vdc <=> 16.4 Vdc	21 Vdc <=> 28.7 Vdc	42 Vdc <=> 57.4 Vdc
Energy Density	126.3 Wh/kg		
Cell Chemistry	Lithium-ion – Li-NMC – 3.6 Vdc – 2.9 Ah		
Dimensions (L x W x H)	400 mm x 160 mm x 90 mm		
Housing	Aluminium Die Cast		
Communication / Wake-up	E-Switch		
Operational Life	> 5 years (+20 °C)		
Temperature Range	-20 °C to +60 °C		
Water / Dust Protection	IP 66		
Humidity	5 to 95 %		
Operational Elevation	< 4000 m		
Safety Detection	BMS - Module and cell series monitoring		
Safety Detection Functions	Overcharge - / Deep Discharge – Protection, Temperature monitoring, Passive Balancing (150 mA), Service Disconnect		
Warranty	3 years		
Weight	8.1 kg		
Cycle-Life	> 3000 cycles with 80 % discharge depth at +20 °C		
Certificates	UN 38.3, CE, RoHS, UL 94 V0		

aentron Energy Solutions is a developer and manufacturer of lithium-ion energy storage products for industrial and private applications.

aentron develops and produces in Germany.

Industries

E-Industry, E-Maritime, E-Mobility, E-Building

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