

10 kWh LI-ION BATTERY - TYPE R (350 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: V4A steel housing



360° Mechanical Integration



Operational Temp. -20 °C bis +60 °C



Parallel configurable



Recycle-and Reusable



Fast Charging Capable



TECHNICAL INFORMATION	24 Vdc - R	48 Vdc - R
Type	A24100R	A48100R
Module-Capacity	406Ah	203 Ah
Module-Energy	10.231 Wh	10.231 Wh
Discharge Constant Power Max	8.400 W @ 350 A	16.800 W @ 350 A
Nominal Voltage	25.2 Vdc	50.4 Vdc
Operational Voltage	21 Vdc <=> 28.7 Vdc	42 Vdc <=> 57.4 Vdc
Energy Density	110 Wh/kg	
Cell Chemistry	Lithium-ion – Li-NMC – 3.6 V DC – 2.9 Ah	
Dimensions (L x W x H)	1700 mm x 600 mm x 155 mm rail mounting system included	
Housing	2 mm V4A steel	
Communication / Wake-up	E-Switch, CAN-open, Charger-Switch	
Expected 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	120 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.

Industries

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

Modifications and errors reserved

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aentron develops and produces in Germany.

aentron GmbH

Dornierstr. 21 82205 Gilching Deutschland

Tel: +49 (0) 8105 39898-0 | info@aentron.com | www.aentron.com