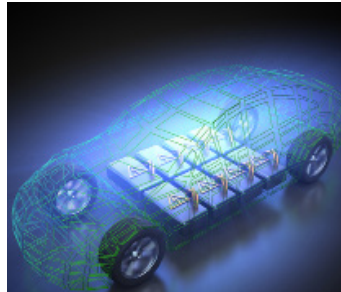




10 kWh LI-ION BATTERY - TYPE R (300 A)

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 Communication: CANbus



360° Mechanical Integration



Made in Germany

Technical Data	24 Vdc - R*	48 Vdc - R
Type	A24100R	A48100R
Module-Capacity (Ah)	406 Ah	203 Ah
Module-Energy (Wh)	10.230 Wh	10.230 Wh
Discharge Constant Power Max. (A) 3C	7.500 W @ 300 A	15.000 @ 300 A
Charge Constant Power Max. (A) 0,7C	7.100 W @ 284 A	7.100 @ 142 A
Nominal Voltage (Vdc)	25.2 Vdc	50.4 Vdc
Operational Voltage	21 Vdc <=> 28 Vdc	42 Vdc <=> 56 Vdc
Cell Chemistry	Li-NMC	
Dimensions (L x W x H)	1700 mm x 600 mm x 155 mm	
Housing	2 mm V4A Steel	
Temperature Range	Discharge: -20 °C bis +60 °C / Charge: 0 °C bis +50 °C	
Water / Dust Protection	IP66	
Humidity / Operational Elevation	5 to 95 % / < 4.000 m	
Configuration / Communication	parallel / serial / CANopen	
Safety Detection	Overcharge- / Deep Discharge Protection, Temperature monitoring	
Functions	BMS - Module and cell series monitoring	
Weight	Ca. 130 kg	
Cycle-Life	Approx 3.000 cycles / 80 % DoD @ 20 °C	
Certificates	CE-2014-30-EU (EMC) EN 61000-62:2005, EN6200-6-3:2007, ISO16315:2006 Small Craft Standard, UN38.3, CB IEC62133, IP66, ECE-R10 (EMC) - Automotive, IEC 60945-(EMC) Marine, DNV-GL Type Approved, IEC62619 - Safety (DNV GL), IEC62620 - Performance (DNV GL)	
Standards	CE-93-68-EU, CE-Battery Directive 2006-66-EC, CE-Low Voltage Directive 2014-35-EU, CE-RoHS 2011-65-EU, CE-Asbestos Directive 203-18-EU, ISO16315:2006 Small Craft Standard, Outgoing Test VDE 0100 Part 610, Outgoing Test VDE 0701-702, According to IEC61508 SIL2 / ISO26262 ASIL C (Functional Safety E/E)	