

TRACTION BATTERY

# Traction Battery Pro 10C-1000

Ultra high power battery for transportation



Traction battery designed for transportation applications with demanding requirements, such as rail, electric bus, and off-road vehicles.

Traction Battery Pro

## Key characteristics



### Safe

HIGHEST SAFETY  
Best cell selection

>40.000

LONG LIFE  
Over 40.000 cycles



80%



RAPID CHARGING  
Charging in less than 10 min

## Plug & play

EASY CONNECTIVITY  
Simple installation



### Flexible

MULTI-STRING PARALLELING  
Flexible system capacity



LOW-TEMPERATURE OPERATION

Excellent performance



BATTERY MANAGEMENT SYSTEM

Safety certified



COMPACT AND LIGHTWEIGHT

Designed for all applications

## Technical data

Rating	
Nominal energy	32.4 kWh
Nominal voltage	809.6 V
Charge cut-off voltage	950.4 V
Discharge cut-off voltage	528 V
Peak power charge / discharge	up to 360 kW / 320 kW
Continuous power charge / discharge	typical 160 kW
Mechanical data	
Coolant	water-glycol
Shock and vibration	ISO 6469-1, IEC 61373
Dimensions	L1870 x W820 x H286
Weight	519 ± 10 kg
Degree of protection (EN 60529)	IP66/IP69
Operation and Diagnosis	
Communication interface	CANopen, CAN SAE J1939
Diagnosis interface	CAN UDS
Lifetime	
Lifetime	up to 15 years
Cycle life at 35 °C, 10-90 % SoC, 3C/3C	>40.000
Tested and certified	
IEC 62619, IEC 62620, ECE R100, ECE R10, UN 38.3, ISO 12405-4, IEC 62928	
Functional safety according to IEC 61508 SIL 2	

## Charge/discharge characteristics

