

TRACTION BATTERY

Pro 8C

High power battery pack for transportation



The Pro 8C series of battery packs has been designed specifically for transportation applications with demanding requirements, such as rail, electrical bus, and off-road vehicles.

The 8C series offers long lifetime and exceptional power for full electric vehicles in a compact, lightweight design.

Pro battery pack

Key characteristics



Safe

HIGHEST SAFETY
By design and cell selection

>20.000

LONG LIFE
Over 20.000 cycles



80%

RAPID CHARGING
Charging in less than 10 min

Plug & play

EASY CONNECTIVITY
Simple installation



Flexible

MULTI-PACK PARALLELING
To adapt capacity



LOW-TEMPERATURE OPERATION

Excellent performance



BATTERY MANAGEMENT SYSTEM

Integrated supervision



CONFIGURABLE INTERFACES

For all installation needs

Technical data

Variants	Unit	8C-700	8C-800	8C-850	8C-900	8C-950	8C-1050
Rating							
Nominal energy	kWh	27.9	30.5	33.0	35.5	37.2	40.6
Nominal voltage	V	607	662	718	773	810	883
Charge cut-off voltage	V	713	778	842	907	950	1037
Discharge cut-off voltage	V	396	432	468	504	528	576
Peak power charge/discharge, up to	kW	275 / 240	300 / 260	325 / 285	350 / 305	365 / 320	400 / 350
Continuous power charge/discharge, typical	kW	115	125	140	150	155	170
Discharge efficiency		>98 % at 25°C, 90%-10% SoC, 1C					
Mechanical data							
Dimensions (excl. mounting feet)	mm	L1870 x W674 x H298		L1870 x W764 x H298		L1870 x W854 x H298	
Weight (with cooling liquid)	kg	465	485	525	545	585	605
Mounting location		Exterior, e.g. roof or underfloor					
Degree of protection		IP 66 /x7 /x9					
Shock & Vibration		ISO 6469-3, ECE R100, IEC 61373					
Cooling		Liquid cooling (water glycol)*					
		*Cooling power and flow rate to be selected based on operation profile					
Operation and diagnosis							
Communication interface		CANopen, CAN J1939					
Service tool		CAN UDS, Laptop-based service tool					
Lifetime							
Design life		15 years					
Cycle life		20'000 cycles at 35°C, 10-90 % SOC, 2C/2C					
Tested and certified							
Standards		ECE R100, IEC 62928, UN 38.3, IEC 62619, IEC 62620					

Block diagram

