

KREISEL BATTERY PACK

63



Kreisel Technologies

The Kreisel Battery Pack 63 combines technical innovation and Kreisel cell cooling in a perfect way. The advanced immersion cooling technology for each individual cell ensures a long battery-life and the highest safety standard.

BEST-IN-CLASS SAFETY

Safety features are incorporated into module design and lead to highest safety in relation to energy density.

MAXIMUM LIFETIME

The Kreisel immersion cooling technology enables increased service life and reliability due to the smallest temperature spread within the module.

EXCEPTIONAL PERFORMANCE

Highest power (C-rates) for charging and discharging due to the patented immersion cooling.

MODULAR DESIGN

The battery can be connected in parallel as well as in series (400V or 800V). This offers high flexibility in combination with different possible installation positions (horizontal or vertical).



ELECTRICAL DATA

Capacity	173 Ah
Energy	63 kWh (nominal)
Technology	Li-Ion 21700
Nominal voltage	364 V
Voltage (max.)	409 V
Voltage (min.)	297 V
Max. discharging power (10 sek)*	690 A / 250 kW
Continuous charging power*	115 A / 42 kW
Continuous discharging power (RMS) > 15 min*	330 A / 120 kW
Cycle life (SOH >70%)**	3000 cycles
Energy density	200 Wh/l, 167 Wh/kg
Thermal system	patented direct liquid cooling and heating for optimum cell temperature

*Depending on SOC and temperature, **Depending on individual use profile

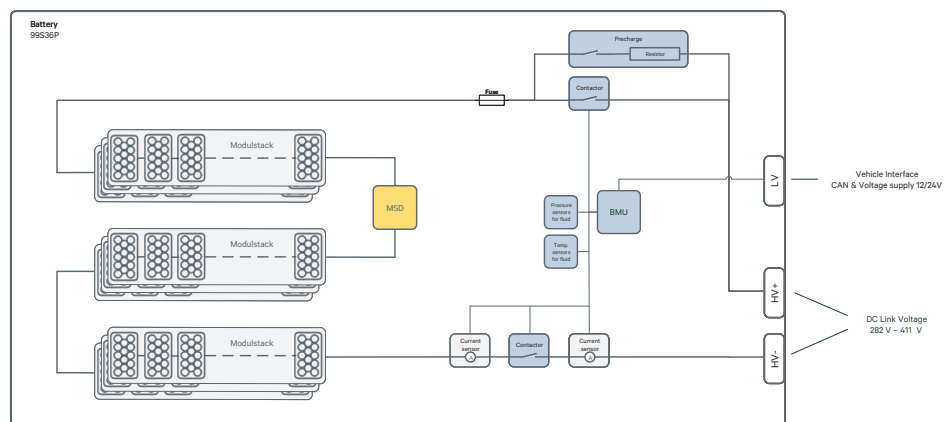
TECHNICAL DATA

Dielectric fluid pressure max.	1 bar
Dielectric fluid pressure drop	typ. 220 mbar @ 31 l/min., 25 °C
Ambient temperature range	- 40 to 70 °C
Protection classes	IP67, IP6K9K
Weight	~400 kg
Dimension (L x W x H)	1111 x 795 x 351 mm

CERTIFICATIONS

Automotive/Commercial Vehicles	ECE R 100.2
Marine	DNV proven
Transportation	UN38.3 verified
Applications	Transport, Marine, Industrial

SCHEMATIC



KBP63

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