

KREISEL BATTERY PACK

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Kreisel Technologies

Through the unique design of the Kreisel Battery Pack 28 there are many different use-cases, especially designed for construction machines, industrial vehicles and buses.

BEST-IN-CLASS SAFETY

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

MAXIMUM LIFETIME

Through lowest temperature spread within the packs. Immersion cooling ensures that the cells operate in the ideal temperature range.

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, the robust, compact and flat design makes the battery flexible and ideally to use for demanding industrial and transport applications.



INHOUSE SERIES-PRODUCTION

Through design as well as simulation and intensive research and development, Kreisel Electric offers a lot of experience and high reliability through in-house developed automated processes in manufacturing.



ELECTRICAL DATA

Capacity	42 Ah
Energy	28 kWh (nominal)
Technology	Li-Ion 21700
Nominal voltage	662 V
Voltage (max.)	723 V
Voltage (min.)	522 V
Max. discharging power (210 sek)*	128 A / 85 kW
Max. charging power*	45 A / 30 kW
Continuous power (RMS) > 15 min*	68 A / 45 kW
Cycle life**	> 3000 cycles
Energy density	137 Wh/l, 126 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.	1.0 bar (relative)
Dielectric fluid pressure drop	typ. 400 mbar @ 150 l/h nom. 25 °C
Ambient temperature range	- 40 to 70 °C
Protection classes	IP67 (IP6K9K possible)
Weight	225 kg
Dimension (L x W x H / H)	1708 x 642 x 270 / 152 mm

CERTIFICATIONS

Battery-Level	ECE R 100.2
Module-Level	UN38.3 verified
Applications	Industrial, Buses

KBP28

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