

BATTERY PACK 4S1P

Certified safety thanks to state-of-the-art technology

ONE SOURCE SOLUTIONS

Mobile power supply units from a single source: as systems supplier, we also offer battery packs as well as chargers. In addition to the standard range of solutions, we assemble and manufacture customer-specific solutions – both for stationary and mobile use. All with the option of being labeled “Made in Germany” and certified according to UN38.3 (transport of batteries). In addition to the international development and manufacturing capacities, FRIWO also has its own approval department, which carries out the corresponding approval processes in close collaboration with the responsible authorities.



OVERVIEW

Pack configuration	4S1P
Cell	BAK AK N18650CL-29
No. of cells	4
Nominal energy (Wh)	41.76
Nominal capacity (mAh)	2900
Nominal voltage (V)	14.4
Charging voltage (V)	16.8
Charging current (A)	1.4
Max. charge current (A)	2.8 (25°, not for cycle life)
Discharge current (A)	2.8
Max. discharge current (A)	8.4 (not for continuous discharge)
Discharge cut-off voltage (V)	12
Charge cut off current (A)	0.138
Min. charge temperature (°C)	0
Max. charge temperature (°C)	45
Min. discharge temperature (°C)	-20
Max. discharge temperature (°C)	60
Lifetime	≈1000 cycle (80%)