

51.8 V | 32 Ah nominal | 1657 Wh | VKB: 56654 799 097


* Illustration only

GENERAL (Battery with safety circuit and plastic / metal combination)

Size (l x w x h) in mm	230 x 330 x 80
General	Lithium-Nickel-Manganese-Cobalt-Oxide with BMS
Communications	CAN Bus (CanOpen)
Weight	Approx. 10 kg

ELECTRICAL SPECIFICATION

Power connection	Negative terminal: M6 (six) screw type, rated female terminal Positive terminal: M8 (eight) screw type, rated female terminal
CAN BUS connection	Type: 2x (two) M12-5, plug, female sockets Mating style: screw thread Coding: A Model: Tyco Electronics T4111002051-000 or similar
Nominal voltage	51.8 V
Nominal capacity (0.2 C; 2.50 V discharge)	32 Ah
Nominal energy	1.657 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	58.8 V (not for cycle life)
Rec. charge voltage	58.1 V
Max. charge current	31 A (not for cycle life)
Rec. charge current	10.3 A
Rec. charge cut off	Current < 1.0 A
Rec. discharge cut off	42 V
Max. continuous discharge current	60 A (not for cycle life)
Rec. discharge current	15.5 A
Exp. cycle life at (0.3 C / 0.5 C), 22 °C ± 2 °C	≥ 80 % of initial capacity at 1.000 cycles

CELL & BATTERY PROTECTION

Safety function	Over/under temperature, over/under voltage, over current short circuit
Fuse	100 A

ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-20 °C to +55 °C
Storage	1 to 3 months at -20 °C to +45 °C 1 year at -20 °C to +24 °C
Humidity	25 to 85 RH %
IP rating	IP30, not water resistant

SAFETY CERTIFICATIONS

Please follow VARTA handling and safety precautions for Lilon & LiPolymer.
The cell used is a UL recognized component according to UL1642.
This battery meets the requirements of battery directives and the battery parts are RoHS-compliant.
This battery is certified to according to IEC62133-2:2017 and UN38.3.

FEATURES

Active cooling for improved lifetime.
Easily connected up to 25 modules in parallel for higher capacities.
Housing with locking feature for easy attachment to adjacent module.
No external battery management needed. Automatic master-slave status established.
Zero maintenance, zero emissions.
Limited 2 year warranty.

Minimum order quantity: 250 pcs / Order multiples: 50 pcs - Product for OEM customers only. Distributor MOQs may vary.