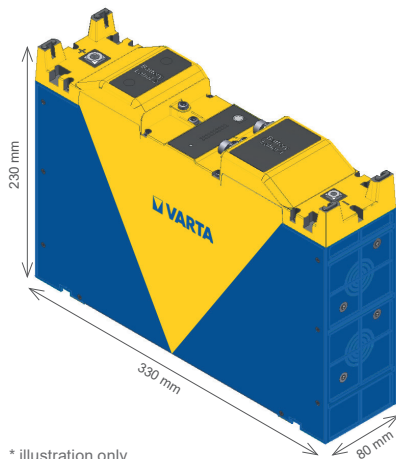


51.8 V | 32 Ah nominal | 1657 Wh | VKB: 56654 908 099



* 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	Li-Ion with BMS
Communications	CAN Bus (CanOpen)
Weight	Approx. 8 kg

ELECTRICAL SPECIFICATION

Power connection	Negative terminal: M6 (six) screw type, IP55 rated female terminal Positive terminal: M8 (eight) screw type, IP55 rated female terminal Contact resistance (initial): $\leq 0.5 \text{ m}\Omega$ per power contact
CAN BUS connection	Type: 2x (two) M12-5, plug, female sockets Mating style: screw thread Coding: A
Nominal voltage	51.8 V
Rated capacity	32 Ah
Watt-hour rating	1657 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	58.8 V
Max. charge current	31 A
Rec. charge cut off	Current $< 2.0 \text{ A}$, timer $> 3.0 \text{ hours}$
Max. continuous discharge current	60 A
Rec. discharge cut off	35 V
Exp. cycle life at (0.3 C / 0.5 C), 24 ° C	$\geq 1,000$ cycles at 80 %

CELL & BATTERY PROTECTION

Voltage, temperature, current limits	Yes
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 +20 °C
Humidity	0 to 85 RH %
IP rating	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 and UN38.3 (pending).

FEATURES

- Active cooling for improved lifetime.
- Easily connected up to 20 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