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Easy Blade 36

37 V | 44,8 Ah | 1658 Wh | VKB: 56654 799 089

VARTA Storage GmbH - Rev No. 1 1225



*illustration only

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: TE part number T4111002051-000
Nominal voltage	37 V
Design capacity	44.8 Ah
Rated capacity	40.6 Ah
Design energy	1658 Wh
Charging method	Constant Current + Constant Voltage
Max. charge voltage	41.5 V
Max. charge current	44.8 A (not for cycle life)
Rec. charge cut off	Current < 2.24 A
Rec. discharge cut off	30 V
Max. continuous discharge current	60 A
Max. pulse discharge current	65 A for 3 sec.
Rec. charge current	15 A
Rec. discharge current	22.4 A
Exp. Cycle life at (0.5 C / 0.5 C), 22 °C ± 2 ° C	≥ 80 % of initial capacity at 1,200 cycles

GENERAL

(Battery with safety circuit and plastic/metal combination)

Size (l x w x h) [mm]	330 x 80 x 230
General	Lithium-Nickel-Manganese-Cobalt-Oxide with BMS
Communications	CAN BUS (CANopen)
Weight	Approx. 9.6 kg

CELL&BATTERY PROTECTION

Safety function	Short circuit protection: 300A / 0,1ms Over discharge current protection 1: 65A / 3s; level 2: 85A / 50ms Over charge current protection 1: 65A / 3s; level 2 85A / 50ms
Fuse	100 A

ENVIROMENTAL CONDITIONS

Charge	0 °C to +50 °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	IP 30, not water resistant

SAFETY CERTIFICATIONS

Please follow Handbook and VARTA handling & 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 according to UN38.3, IEC62133-2:2017, IEC 60335, UL 2595 and UL2271.

FEATURES

- Easily connect up to 24 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.
- Water sealed power connectors.
- Limited 2 years warranty.

The product is designed to safety standards per datasheet; the battery is NOT designed for intended use for e-mobility consumer products and road applications. Responsibility for system level safety remains with e-mobility product design to comply with safety standard for intended end markets.

Minimum order quantity: 260 pcs / Order multiples: 20 pcs
Product for OEM customers only. Distributor MOQs may vary.

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All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.

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