

Easy Blade 24

25.9 V | 58 Ah | 1502 Wh | VKB: 56654 799 098

VARTA Storage GmbH - Rev No. 10421



*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 25.9 V
Typical capacity 58 Ah
Typical energy 1502 Wh

Charging method Constant Current + Constant Voltage

Max. charge voltage 29.05 \

Max. charge current 60 A (not for cycle life)

Rec. charge current 20.6 A

Rec. charge cut off Current < 2.0 A

Rec. discharge cut off 21 V

Max. continuous discharge current 60 A

Max pulse discharge

Max. pulse discharge

current

Rec. discharge current 31 A

Exp. cycle life at (0.5 C / 0.5 C), 22 °C ± 2 °C

65 A for 3 sec.

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≥ 80 % of initial capacity at 1,200 cycles

GENERAL

(Battery with safety circuit and plastic/metal combination)

Size (l x w x h) in 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 / 5s; level 2: 85A / 50ms Over charge current protection 1: 65A / 5s: level 2 85A / 50ms

Fuse 100A

ENVIROMENTAL CONDITIONS

Charge $0 \,^{\circ}\text{C} \, \text{to} + 50 \,^{\circ}\text{C}$

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