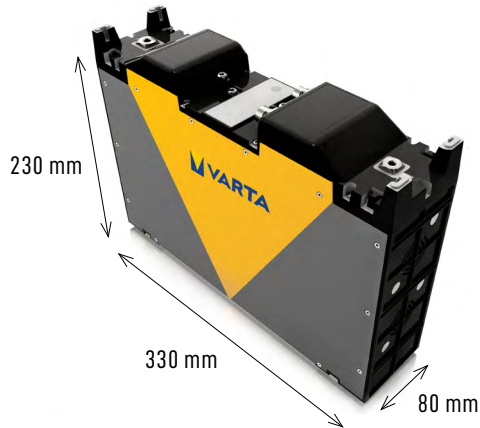


Easy Blade 48

51.8 V | 29 Ah | 1502 Wh | VKB: 56654 799 092

VARTA Storage GmbH - Rev No. 1 0421



*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	51.8 V
Typical capacity	29 Ah
Typical energy	1502 Wh
Charging method	Constant Current + Constant Voltage
Max. 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	31 A
Max. pulse discharge current	65 A for 3 sec. and 60 A for 30 sec.
Rec. discharge current	15.5 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) 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

ENVIRONMENTAL 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 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, UN38.3. UL 2595 and IEC 60335

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
- Water sealed power connectors

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