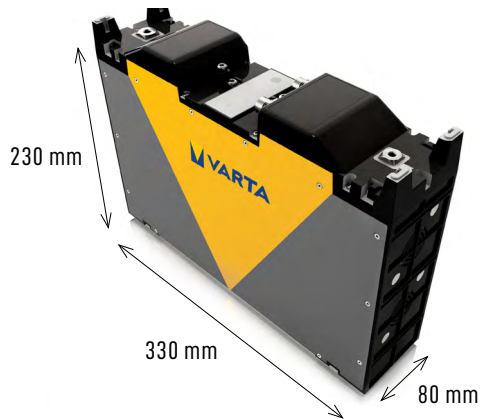


# Easy Blade 24

25.9 V | 58 Ah | 1502 Wh | VKB: 56654 799 096

VARTA Storage GmbH - Rev No. 1 0421

Distributed by:



\*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 V
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 current	65 A for 3 sec.
Rec. discharge current	31 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 and UN38.3.

## FEATURES

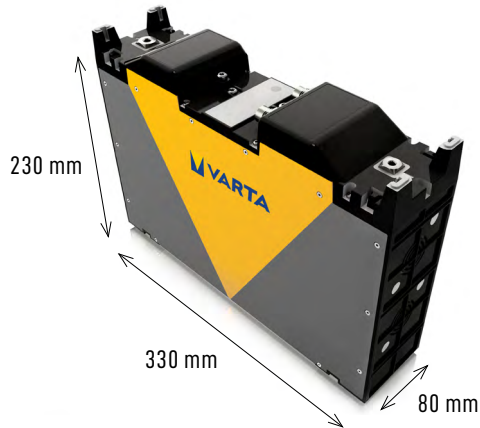
- Active cooling for improved lifetime.
- Easily connected up to 25 modules in parallel for higher capacities.
- Housing with locking feature for easy attachment to adjacent module.
- No external battery management needed.
- Automatic master-slave status established.
- Zero maintenance, zero emissions.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

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

# Easy Blade 36

37 V | 44,8 Ah nominal | 1658 Wh | VKB: 56654799089

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	37 V
Typical capacity	44,8 Ah
Typical energy	1658 Wh
Charging method	Constant Current + Constant Voltage
Max. charge voltage	41.5 V
Max. charge current	44.8 A
Rec. charge cut off	Current < 2.24 A
Rec. discharge cut off	30 V
Max. continuous discharge current	60 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) 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 UL2595 and IEC60335.

## FEATURES

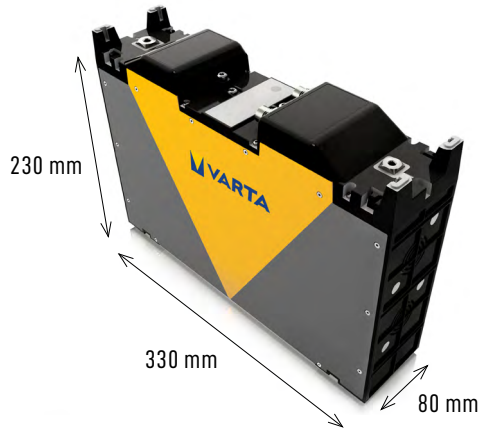
- Active cooling for improved lifetime.
- Easily connected up to 25 modules in parallel for higher capacities.
- Housing with locking feature for easy attachment to adjacent module.
- No external battery management needed.
- Automatic master-slave status established.
- Zero maintenance, zero emissions.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

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

# 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.

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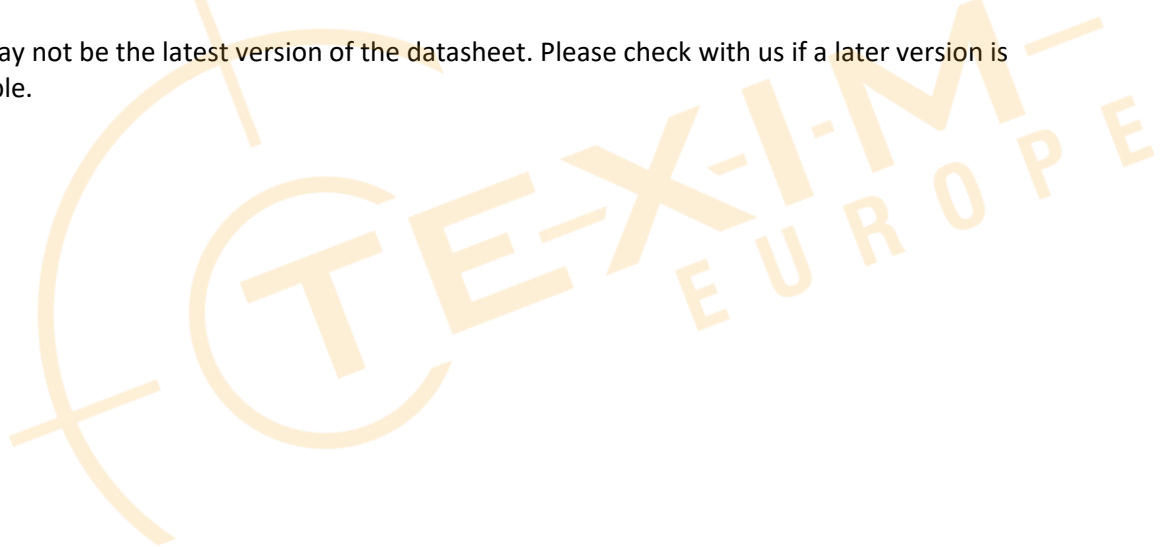
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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

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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