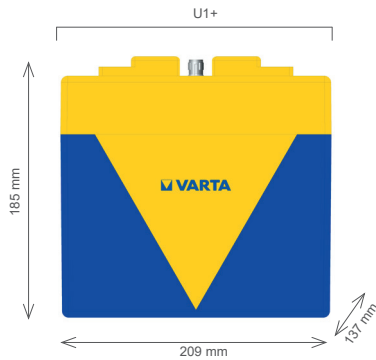


51.2 V | 11.4 Ah nominal | 580 Wh | VKB: 56657 908 099



\* illustration only

### GENERAL (Battery with safety circuit and plastic / metal combination)

Size (l x w x h) in mm	U1+ 209 x 137 x 185
General	Li-Iron-Phosphate
Communications	CAN Bus (CanOpen)
Weight	Approx. 6 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
CAN BUS connection	Contact resistance (initial): $\leq 0.5 \text{ m}\Omega$ per power contact Type: 2x (two) M12-5, plug, female sockets Mating style: screw thread Coding: A
Nominal voltage	51.2 V
Rated capacity	11.4 Ah
Watt-hour rating	580 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	58.4 V
Max charge current	11.4 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	32 V
Exp. cycle life at (0.5 C / 1.0 C), 23 ° C	$\geq 4,000$ cycles at 80 %

### CELL & BATTERY PROTECTION

Voltage, temperature, current limits	Yes (automatic, recoverable)
Fuse	100 A (one time)

### ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-20 °C to +60 °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 according to IEC62133 and UN38.3 (pending).

### FEATURES

Extra-long cycle life for heavy duty cycle projects and reduced total cost of ownership.  
Easily connected up to 20 modules in parallel for higher capacities.  
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