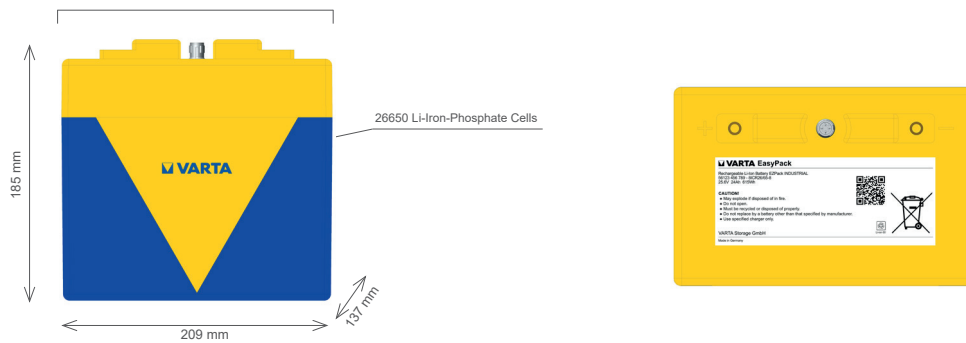


51.2 V | 12 Ah nominal | 614 Wh



GENERAL (Battery with safety circuit and plastic metal combination)

Size (l x w x h) in mm	U1+ 209 x 137 x 185
Cell	Li-Iron-Phosphate (LFP) LiFePO4
Circuit	Protection and fuel-gauging
Communications	M12 connector: CAN Bus
Weight	< 6 kg

ELECTRICAL SPECIFICATION

Nominal voltage	51.2 V
Rated capacity	12.8 Ah
Watt-hour rating	614 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	58.4 V
Max charge current	12.8 A
Rec. charge cut off	Current < 2.0 A, timer > 3.0 hours
Max. continuous discharge current	36 A
Rec. discharge cut off	32 V
Exp. cycle life at (0.5 C / 1.0 C), 23 ° C	≥ 2,000 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 +55 °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 %

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 edition 2 and UN 38.3.

FEATURES

High capacity in standard U1 form-factor.
 Easily connected in parallel for higher capacities: Housing contains „locking“ features for easy attachment to adjacent battery.
 No external battery management system needed.
 On-board fuel-gauging, diagnostics via CAN communications.