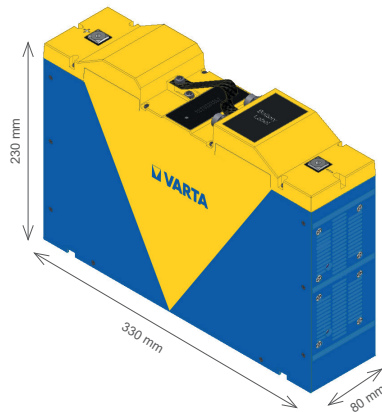


36 V | 42 Ah nominal | 1512 Wh



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

Size (l x w x h) in mm	230 x 330 x 80
Cell	Li-Ion NMC
Circuit	Protection and fuel-gauging
Communications	M12 connector: CAN Bus
Weight	8 kg

ELECTRICAL SPECIFICATION

Nominal voltage	36 V
Rated capacity	42 Ah
Watt-hour rating	1512 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	42 V
Charge current	60 A
Rec. charge cut off	Current < 2.0 A, timer > 3.0 hours
Max. continuous discharge current	60 A (300 A for 1 sec.)
Rec. discharge cut off	30 V
Exp. cycle life	1,000+ cycles

CELL & BATTERY PROTECTION

Voltage, temperature, current limits	Yes
Fuse	100 A

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, high discharge and charge currents.
 Easily connected in parallel for additional capacity.
 No external battery management system needed.

Preliminary - Specifications subject to change.

Minimum order quantity: 250 pcs / Order multiples: 50 pcs - Product for OEM customers only