



# DATASHEET

## NOMIA 12V340Ah

The Nomia 12V340Ah is a Lithium Iron Phosphate rechargeable battery with a rated capacity of 340Ah. The unique combination of state-of-the-art technology and smart software makes this lithium battery a robust, safe and easy to use energy storage solution.

Compared to conventional lead-acid batteries, the Nomia 12V340Ah lithium battery offers an enormous weight and space saving. It is very efficient, has extremely high performances and is maintenance free.

### FEATURES

- Traction battery
- Lithium Iron Phosphate (LiFePO<sub>4</sub>): safe lithium technology
- Integrated BMS (Battery-Management system); external interruption device needed
- Glass fiber reinforced plastic (GFRP) Casing, Aluminum / PE sandwich side panels
- Terminals for 2 x M8 Bolts
- Integrated fuse, 32V / 500A
- Wired communication interface: CANopen
- Battery monitoring / History Storage
- Adaptive cell balancing
- Configurable in serial or parallel connection- Output for bi-stable relay / latching relay

### SAFETY

Super B batteries are based on Lithium Iron Phosphate technology (LiFePO<sub>4</sub>). This is the safest Lithium technology available today. On top of that our bespoke casing and electronics further increase safety and durability.

## ELECTRICAL SPECIFICATIONS

Nominal capacity	340 Ah
Energy	4352 Wh
Nominal Voltage	12.8 V
Open Circuit Voltage	13.2 V
Self Discharge (cells)	< 3% per Month
Cycle life	> 4000 cycles (at 100% DoD)

## CHARGE & DISCHARGE SPECIFICATIONS

Charge Method	CCCV
Charge Voltage	14.4 V
Max Charge Current	300 A
End of Discharge Voltage	10 V
Discharge Current Continuous	300 A
Discharge Pulse Current (30 sec)	900 A

## COMPLIANCE SPECIFICATIONS

Certifications	CE, UKCA, FCC, UN 38.3, UN ECE R10.06, UL 1642 (Cells)
Shipping Classification	UN3480

## PERFORMANCE



Low  
maintenance



Fast  
Charging



High  
discharge  
rates



Safest  
lithium  
technology



High  
capacity



Low  
weight



High cycle  
count



Low self-  
discharge

## MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	417 x 227 x 314 mm 16.4" x 8.9" x 12.4"
Weight	33 kg / 72.7 lbs
Case Material	GFRP
Ingress Protection	IP50
Cell Type / Chemistry	Prismatic - LiFePO4

## TEMPERATURE SPECIFICATIONS

Charge Temperature	0 °C to 60 °C 32 °F to 140 °F
Discharge Temperature	-30 °C to 60 °C -22 °F to 140 °F
Storage Temperature	-20 °C to 45 °C -4 °F to 113 °F

## GENERAL PRODUCT SPECIFICATIONS

EAN-13	8718531362314
Battery Designation	IFpP/41/173/205/ [2P4S]M/-30+60/95