

DATASHEET NOMIA 12V210Ah

The Nomia 12V210Ah is a Lithium Iron Phosphate rechargeable battery with a rated capacity of 210Ah. 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 12V210Ah 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 (LiFePO₄): 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 (LiFePO₄). This is the safest Lithium technology available today. On top of that our bespoke casing and electronics further increase safety and durability.

PERFORMANCE



Low maintenance



Fast Charging



Safest lithium technology



High discharge rates



High capacity



Low weight



High cycle count



Low self-discharge

3-YEAR WARRANTY

Super B's 3-year warranty offers the best peace of mind. It is the benefit of years of continuous engineering improvement and proven experience with all of our batteries in the harshest environments.



ELECTRICAL SPECIFICATIONS

Nominal Capacity	210Ah
Energy	2688Wh
Nominal Voltage	12.8V
Open Circuit Voltage	13.2V
Self Discharge	<3% per Month
Cycle life	>3500 (at 1C charge/ discharge, 100% DoD)

CHARGE & DISCHARGE SPECIFICATIONS

Charge Method	CCCV
Charge Voltage	14.3V - 14.6V
Max Charge Current	210A
End of Discharge Voltage	10V
Discharge Current Continuous	500A ¹
Discharge Pulse Current (10 sec)	800A

COMPLIANCE SPECIFICATIONS

Certifications	CE, FCC, UN 38.3, UN ECE R10.05, UL 1642 (Cells)
Shipping Classification	UN 3480

¹Limited by fuse

²When temperature is < 0°C / 32°F or > 55°C / 131°F performance will be degraded.

MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	417 x 227 x 314 mm 16.4" x 8.9" x 12.4"
Weight	23 kg / 50.7 lbs
Case Material	GFRP
Ingress Protection	IP50
Cell Type / Chemistry	Prismatic - LiFePO4

TEMPERATURE SPECIFICATIONS

Charge Temperature	0°C to 55°C ² 32°F to 131°F ²
Discharge Temperature	-20°C to 55°C -4°F to 131°F
Storage Temperature	-20°C to 45°C -4°F to 113°F

GENERAL PRODUCT SPECIFICATIONS

EAN-13	8718531361645
Battery Designation	IFpP/36/130/195/ [2P4S]M/-20+55/95