



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.

ELECTRICAL SPECIFICATIONS

| | |
|----------------------|-------------------------------|
| Nominal capacity | 210Ah |
| Energy | 2688Wh |
| Nominal Voltage | 12.8V |
| Open Circuit Voltage | 13.2V |
| Self Discharge | <3% per Month |
| Cycle life | >3500 cycles (at 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 |
| Discharge Pulse Current (10 sec) | 800A |

COMPLIANCE SPECIFICATIONS

| | |
|-------------------------|--|
| Certifications | CE, UKCA, FCC, UN 38.3, UN ECE R10.06, UL 1642 (Cells), EN/IEC 62620 (ESTRIN), RINA |
| 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 | 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 32°F to 131°F |
| 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 |