



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

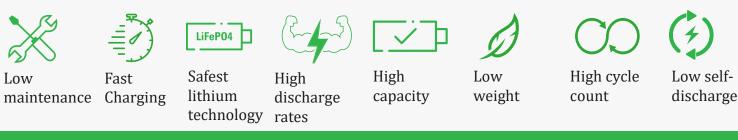
- Traction battery
- Lithium Iron Phosphate (LiFePO4): safe lithium technology
- Integrated BMS (Battery-Management system); external interruption device needed
- Glass fiber reinforced plastic (GFRP) Casing, Aluminum / PE sandwich side panels
- Terminals for 2 x M8 Bolts
- Integrated fuse, 32V / 500A
- 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



ELECTRICAL SPECIFICATIONS

| Nominal Capacity | 340Ah |
|----------------------|------------------|
| Energy | 4352Wh |
| Nominal Voltage | 12.8V |
| Open Circuit Voltage | 13.2V |
| Self Discharge | <3% per Month |
| Cycle life | >4000 (100% DoD) |

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 | |

CHARGE & DISCHARGE SPECIFICATIONS TEMPERATURE SPECIFICATIONS

| Charge Method | CCCV |
|----------------------------------|---------------|
| Charge Voltage | 14.3V - 14.6V |
| Max Charge Current | 300A |
| End of Discharge Voltage | 10V |
| Discharge Current Continuous | 300A |
| Discharge Pulse Current (30 sec) | 900A |

COMPLIANCE SPECIFICATIONS

CE_ECC_UN_38.3. Certifications

| Certifications | LE, FUU, UN SO. |
|-------------------------|-----------------|
| | UN ECE R10.06, |
| | UL 1642 (Cells) |
| Shipping Classification | UN 3480 |

| 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 |
|--------|---------------------------------------|
| | IFpP/41/173/205/ [2P4S]M/-30+60/95 |