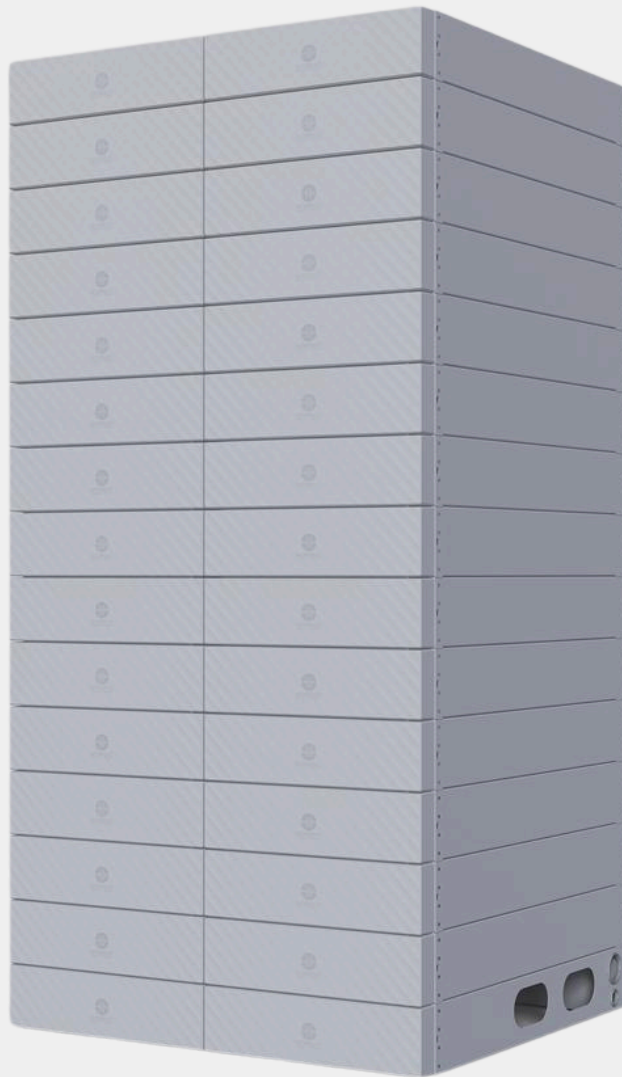


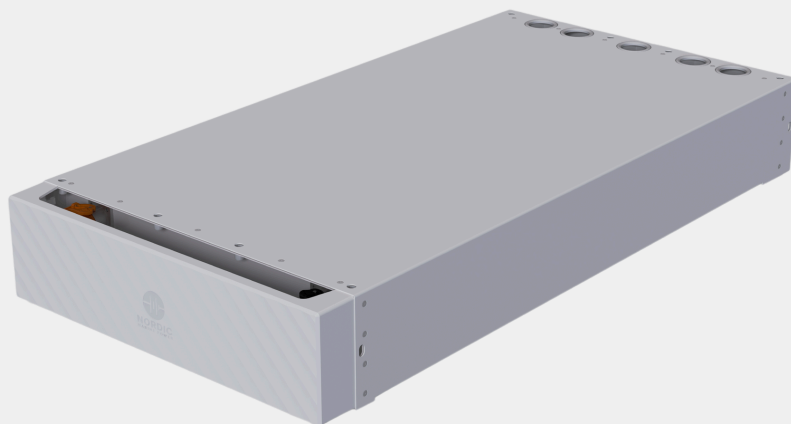


# PowerStack

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Next generation battery system





## Features and Benefits

- Very safe cell chemistry
- Chip-on-cell monitoring
- Near Field Wireless Communication
- Passive single-cell thermal runaway protection
- Robust casing
- Flexible and modularised design up to 1230VDC
- Easy to service and maintain
- Low installation and commissioning time
- Enhanced EMI/EMC immunity design
- Cobalt and nickel free
- Remote monitoring capabilities
- DNV, EN 62619 / 62620 and UN 38.3

## Mechanical Characteristics Module

- Width 500 mm
- Height 144 mm
- Depth (excluding cover) 954 mm
- Weight (approx.) 87 kg
- IP Class IP65

## Applications and Markets

- Hybrid and electric ships
- Grid storage
- Port infrastructure
- Fish farms

## Chemical Characteristics

- Cathode Lithium Iron Phosphate (LFP)
- Anode Graphite

## Electrical Characteristics

- Nominal capacity @ 1C @ 25°C: 175Ah
- Nominal operating voltage: 51,2V
- Operation voltage window: 44,8 - 57,6V
- Energy: 8,96 KWh
- Specific energy: 103Wh/Kg
- External communication interface: Modbus

## Operating Conditions

- Charge current @ 25 °C:
- Recommended continuous 105A (0,6C)
- Maximum Peak 175A (1C)

- Discharge current @ 25 °C
- Recommended continuous 105A (0,6C)
- Maximum Peak 175A (1C)

- Storage and transport conditions
- Max temperature range: 0°C to 45°C
- Rec temperature range: 10°C to 25°C

- Operating temperature
- Max temperature range: 5°C to 45°C
- Rec temperature range: 15°C to 25°C

- Cycle life @ 25°C
- 100% DoD, 0,6C/0,6C > 4,000 cycles
- 80% DoD, 0,6C/0,6C > 5,000 cycles