



Lithium Ion Battery Pack



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ionbank® INFORMATION

Lithium-ion battery for Uninterruptible Power Supplies.

UPS installations require rugged batteries that can withstand hot environments and regular cycling. The Q-on ionbank® meets these requirements.

- The Q-on ionbank® battery is a drop-in replacement of traditional AGM lead-acid batteries.

Q-on ionbank® Battery Advantages:

- Safety – LiFePO4 is a chemically stable Lithium-Ion battery
- Excellent “weight-to-energy density”
- Long cycle life
- Fast charging
- Low self-discharge
- Environmentally-friendly - no heavy metals or caustic materials.
- Tolerant of exposure to high temperatures.

The Q-on ionbank® range of batteries is available in normal and extended run configurations and is backed by a 10 year guarantee.

Q-on ionrent® is a flexible energy rental that eliminates the high cost of regular battery replacements.

TECHNICAL SPECIFICATIONS

| Q-on ionbank® LiFePO4 battery | 20kWh | 10kWh | 5kWh |
|---|---|---|---|
| Max Energy (kWh) | 20 | 10 | 5 |
| Energy 90% DoD (kWh) | 18 | 9 | 4,5 |
| Nominal Voltage (V) | 204 | 204 | 204 |
| Max/cont Discharge Current (A) | 150/80 | 150/80 | 100/60 |
| Max/cont Discharge Power (kW) | 30/17 | 30/17 | 24/16 |
| Max and cont. Charge current (A) | 100 | 100 | 60 |
| Weight (Kg) | 173 Kg | 130 | 76 |
| Dimensions (h x w x d - mm) | 745×640×290 | 710×640×290 | 650×640×290 |
| DC connection fly leads | 16mm ² | 16mm ² | 16mm ² |
| Enclosure | Aluminum power coated, IP54, wall or floor mount. | Aluminum power coated, IP54, wall or floor mount. | Aluminum power coated, IP54, wall or floor mount. |
| Temperature range | 5~ to 60°C | 5~ to 60°C | 5~ to 60°C |
| Service life - (70% of initial capacity) | 10 year (1000 cycles) @ 100% DoD, 10 year (3000 cycles) @ 80% DoD | 10 year (1000 cycles) @ 100% DoD, 10 year (3000 cycles) @ 80% DoD | 10 year (1000 cycles) @ 100% DoD, 10 year (3000 cycles) @ 80% DoD |

Specifications are subject to change

ionrent® **INFORMATION**

Lithium-ion battery packs are the answer for Uninterruptible Power Supplies (UPS) systems currently operating on traditional lead-acid batteries. The Q-On ionbank® battery pack offers a drop-in solution to all major brands of UPS's ensuring reliable power supply and longevity in a power challenged environment.

Lithium-ion battery packs have not been a consideration in stand by power due to the associated cost, until now. The continued research and development and higher demand in the product has positioned these battery packs as a viable solution. These batteries do however remain at a higher cost compared to lead acid varieties hence the introduction of ionrent. The lithium-ion or ionbank rental program.

ionrent® **Advantages:**

- Gain access to the latest technology and all associated benefits of lithium-ion battery packs
- Affordable monthly fee
- Peace of mind on your power system
- Steer clear of capital expenditure, this is an operational expense
- No more regular battery replacements, their safety risks or high replacement costs

Pricing Options

Contact us for all pricing enquiries and custom solutions. We can tailor make a system to suit your exact operational requirements.

