



Our commercial systems are designed for installation in commercial or industrial applications.

An ideal solution for those who need more storage capacity and power, whether it is a large commercial/industrial building or a containerised solution.

Utilising Lithium Iron Phosphate our batteries are extremely safe and can be installed in a wide range of locations. The battery chemistry does not contain Cobalt, making it non-flammable and the battery pack is 99% recyclable.



### Expandable

Each battery rack contains 200kWh of batteries, with a DC cabinet 3 units are installed together offering 600Wh of storage, this can be expanded to any side in 600kWh increments.



### High Power

Coupled with any of our PCS up to a maximum rating of 0.8c (i.e. 600kWh - 500KW or 2.4MWH - 2MW)



### Easy to Install

The open rack mounting system makes it easy for the battery packs to be slid into place. Accessible power and data connection make the connection simple to install and maintain.



### 10 Year Warranty

Supplied with a full manufacturers warranty. Our UK based support team are on hand to help should any issues arise.

# Battery Rack

## Commercial

### 200KWH BATTERY RACK

|                            |  |
|----------------------------|--|
| Dimensions (WxDxH)         | 1458 x 640 x 2050mm  |
| Weight (without batteries) | 200 kg   |
| Advantages                 | Robust steel frame<br>Pre-drilled fixing points on all sides |

### HIGH VOLTAGE BOX

|                        |  |
|------------------------|--|
| Dimensions (WxDxH)     | 483 x 692 x 221mm  |
| Weight                 | 40kg   |
| Nominal Voltage        | 730V DC  |
| Voltage Range          | 600 - 850V DC  |
| Safety                 | Robust Multi Point<br>Monitoring BMS<br>On/Off button and DC MCB |
| Connections            | AC Supply<br>DC Input<br>DC Output<br>CAN bus in<br>CAN bus out  |
| Communication Protocol | CAN bus  |

### 10.8KWH BATTERY

|                        |  |
|------------------------|--|
| Dimensions (WxDxH)     | 483 x 692 x 221mm  |
| Weight                 | 89kg   |
| IP Grade               | IP20   |
| Nominal Voltage        | 38.4V DC   |
| Voltage Range          | 33.6 - 43.8V DC  |
| Chemistry              | LiFePO <sub>4</sub>  |
| Rated Capacity         | 280Ah  |
| Nominal Capacity       | 10.752kWh @25°C  |
| Depth of Discharge     | 80%  |
| Operating Temperature  | 0°C - 55°C*  |
| Connections            | + and - DC power<br>2 x CAN bus  |
| Safety                 | Robust Multi Point<br>Monitoring BMS   |
| Communication Protocol | CAN bus  |
| Warranty               | 70% remaining capacity after the first of 10 years or 10MWh per kWh throughput |

\*Charge/discharge rate and capacity reduced at lower and higher temperatures