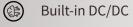
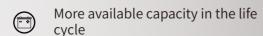
## iHome-B5-HD02 Series

## Battery with DC/DC Converter

Chelion's iHome-B5-HD Series is a top-class lithium battery module. There is a built-in DC/DC converter in the module that is optimised to perform most safely. The DC/DC converter facilitates module maintenance and battery replacement. It is flexible to add new batteries in the future without causing the "Buckets effect". And it is able to make the most of battery capacity.









Flexible expansion

Excellent safety and optimisation performance

## **Technical Data**

| Items                   | iHome-B5- | iHome-B10-                                | iHome-B15-  | iHome-B20-  | iHome-B25-  | iHome-B30-  | iHome-B35-  | iHome-B40-  |  |
|-------------------------|-----------|---|-------------|-------------|-------------|-------------|-------------|-------------|--|
|                         | HD02      | HD02                                      | HD02        | HD02        | HD02        | HD02        | HD02        | HD02        |  |
| Battery type            |           | LFP                                       |             |             |             |             |             |             |  |
| Energy capacity         | 5kWh      | 10kWh                                     | 15kWh       | 20kWh       | 25kWh       | 30kWh       | 35kWh       | 40kWh       |  |
| Module Quantity         | 1         | 2   | 3           | 4           | 5           | 6           | 7           | 8           |  |
| DOD                     |           | 100%                                      |             |             |             |             |             |             |  |
| Rated power             | 4kW       | 6 <b>kW</b>                               | 9 <b>kW</b> | 9 <b>kW</b> | 9 <b>kW</b> | 9 <b>kW</b> | 9 <b>kW</b> | 9 <b>kW</b> |  |
| Voltage range           |           | 360~540Vdc                                |             |             |             |             |             |             |  |
| Max. charge current     | 11.11A    | 22.2                                      | 25          | 25          | 25          | 25          | 25          | 25          |  |
| Max. discharge current  | 11.11A    | 16.67                                     | 16.67       | 16.67       | 16.67       | 16.67       | 16.67       | 16.67       |  |
| Dimensions(W*H*D)       |           | N*[31.49*14.96*7.87inch (800*380*200mm)]  |             |             |             |             |             |             |  |
| Weight                  |           | N*[121.25lb(55kg)]                        |             |             |             |             |             |             |  |
| Cooling type            |           | Passive cooling                           |             |             |             |             |             |             |  |
| Altitude                |           | ≤6561 ft (2000m)                          |             |             |             |             |             |             |  |
| Operating temperature   |           | -4°F~122°F (-20~50°C)                     |             |             |             |             |             |             |  |
| Recommended operating   |           | 59°F~86°F (15~30°C)                       |             |             |             |             |             |             |  |
| temperature             |           |   |             |             |             |             |             |             |  |
| Storage temperature     |           | 14°F~113°F (-10~45°C)                     |             |             |             |             |             |             |  |
| Humidity                |           | 0~100%RH                                  |             |             |             |             |             |             |  |
| Display                 |           | LED                                       |             |             |             |             |             |             |  |
| Communication interface |           | RS485, CAN                                |             |             |             |             |             |             |  |
| Topology                |           | Isolated                                  |             |             |             |             |             |             |  |
| Connection method       |           | Floor or Wall mounted (optional)          |             |             |             |             |             |             |  |
| Certification           |           | IEC 62619, IEC 60730, IEC 62040-1, UN38.3 |             |             |             |             |             |             |  |

The battery module quantity could stack up to 8 modules. \*Please find the user mannual for the detail information.