

## HOME ENERGY STORAGE

# HOPE 5.0L-LW-B1

Wall-mounted battery · 5.12 kWh · 2 models


**5.12** kWh

ENERGY CAPACITY

**51.2** V

NOMINAL VOLTAGE

**6000** cycles

CYCLE LIFE

**IP20**

PROTECTION CLASS

| Parameter                          | Unit   | HOPE 5.0L-B1      | HOPE 5.0LW-B1   |
|------------------------------------|--------|-------------------|-----------------|
| Battery                            |        |                   |                 |
| Cell type                          |        | LiFePO4           |                 |
| Nominal voltage                    | V      | 51.2              |                 |
| Nominal energy capacity            | Wh     | 5120              |                 |
| Usable energy capacity             | Wh     | 5000              |                 |
| Operating voltage range            | V      | 40 – 58.4         |                 |
| Max. charge current                | A      | 100               |                 |
| Max. discharge current             | A      | 100               |                 |
| Peak discharge current             |        | 250 A for 150 ms  | 750 A for 5 ms  |
| Depth of discharge (DoD)           | %      | 98                | 92              |
| Cycle life                         | cycles | >6000             | ≥6000           |
| Max. expandable energy             | Wh     | –                 | 240000          |
| Max. parallel units                |        | 48                |                 |
| General data                       |        |                   |                 |
| Dimensions (W x H x D)             | mm     | 440 × 130.5 × 480 | 390 × 620 × 152 |
| Weight                             | kg     | 43                | <44.5           |
| Ingress protection (IP rating)     |        | IP20              |                 |
| Installation                       |        | –                 | Wall-mounted    |
| Operating temperature, charging    | °C     | 0 – 55            |                 |
| Operating temperature, discharging | °C     | –20 – 55          |                 |
| Warranty                           | years  | 5                 |                 |

| Parameter                    | Unit | HOPE 5.0L-B1                             | HOPE 5.0LW-B1                                                     |
|------------------------------|------|------------------------------------------|-------------------------------------------------------------------|
| Communication                |      |                                          |                                                                   |
| Display                      |      | External touch display screen (optional) | Built-in display screen; external touch display screen (optional) |
| Communication interfaces     |      | CAN; RS485                               |                                                                   |
| Certifications               |      |                                          |                                                                   |
| Certifications and standards |      | CE (EMC); UN38.3; MSDS; RoHS             | IEC 62619; CE (EMC); UN38.3; MSDS; RoHS                           |

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.  
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

E-mail lidreamtec@163.com  
WhatsApp +86 133 5280 0772