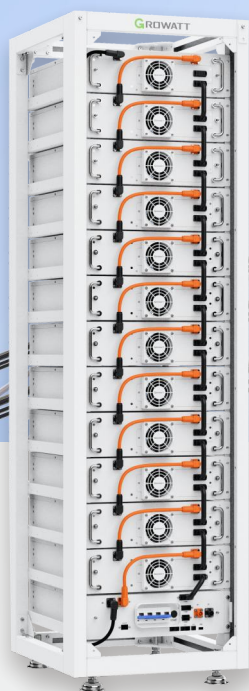


# Battery System

AXE 30.0~60.0H-RE1 EU

- Adopt high -safety LFP battery
- Battery pack modular design, support 30 ~60kWh flexible expansion
- Support 1C continuous charge and discharge
- Battery pack compatible with 19 -inch cabinet installation
- Easy installation and maintenance
- Support multi-rack parallel operation



P O W E R  
- I N G O  
T O M O -  
R R O W O

**G**ROWATT

 en.growatt.com

| Datasheet                                                | AXE 30.0H-RE1 EU                                                              |              | AXE 35.0H-RE1 EU |                | AXE 40.0H-RE1 EU |  | AXE 50.0H-RE1 EU |  | AXE 60.0H-RE1 EU |  |
|----------------------------------------------------------|-------------------------------------------------------------------------------|--------------|------------------|----------------|------------------|--|------------------|--|------------------|--|
| Control module                                           | AXE 1000100-C1                                                                |              |                  |                |                  |  |                  |  |                  |  |
| Number of control module                                 | 1                                                                             |              |                  |                |                  |  |                  |  |                  |  |
| Battery module                                           | AXE 5.0H-E1 EU                                                                |              |                  |                |                  |  |                  |  |                  |  |
| Battery module energy                                    | 5kWh                                                                          |              |                  |                |                  |  |                  |  |                  |  |
| Number of modules in series                              | 6                                                                             | 7            | 8                | 10             | 12               |  |                  |  |                  |  |
| Energy capacity                                          | 30kWh                                                                         | 35kWh        | 40kWh            | 50kWh          | 60kWh            |  |                  |  |                  |  |
| Usable capacity                                          | 27kWh                                                                         | 31.5kWh      | 36kWh            | 45kWh          | 54kWh            |  |                  |  |                  |  |
| Max. output power*1                                      | 30kW                                                                          | 35kW         | 40kW             | 50kW           | 60kW             |  |                  |  |                  |  |
| Dimension (W/H/D)                                        | 570/1560/660mm                                                                |              |                  | 570/1964/660mm |                  |  |                  |  |                  |  |
| Weight                                                   | ≤0.38t                                                                        | ≤0.43t       | ≤0.48t           | ≤0.59t         | ≤0.69t           |  |                  |  |                  |  |
| Nominal voltage                                          | 307.2V                                                                        | 358.4V       | 409.6V           | 512V           | 665.6V           |  |                  |  |                  |  |
| Operating voltage range                                  | 278.4~340.8V                                                                  | 324.8~397.6V | 371.2~454.4V     | 464~568V       | 603.2~738.4V     |  |                  |  |                  |  |
| Nominal capacity                                         | 100Ah(@25°C)                                                                  |              |                  |                |                  |  |                  |  |                  |  |
| Battery type                                             | Cobalt Free Lithium Iron Phosphate (LFP)                                      |              |                  |                |                  |  |                  |  |                  |  |
| Ingress protection                                       | IP20                                                                          |              |                  |                |                  |  |                  |  |                  |  |
| Installation                                             | Floor stand                                                                   |              |                  |                |                  |  |                  |  |                  |  |
| Operating temperature                                    | -10~50°C                                                                      |              |                  |                |                  |  |                  |  |                  |  |
| Relative humidity                                        | 5% ~ 95%                                                                      |              |                  |                |                  |  |                  |  |                  |  |
| Cooling                                                  | Air-Cooling                                                                   |              |                  |                |                  |  |                  |  |                  |  |
| Warranty                                                 | 5 years (opt. 10 years)                                                       |              |                  |                |                  |  |                  |  |                  |  |
| Noise emission                                           | <60dB                                                                         |              |                  |                |                  |  |                  |  |                  |  |
| Maximum elevation                                        | ≤2000m                                                                        |              |                  |                |                  |  |                  |  |                  |  |
| Control Module                                           |                                                                               |              |                  |                |                  |  |                  |  |                  |  |
| AXE 1000100-C1                                           |                                                                               |              |                  |                |                  |  |                  |  |                  |  |
| Dimension(W/H/D)                                         | 482/131/580mm                                                                 |              |                  |                |                  |  |                  |  |                  |  |
| Weight                                                   | ≤15kg                                                                         |              |                  |                |                  |  |                  |  |                  |  |
| Communication port                                       | CAN/RS485/USB                                                                 |              |                  |                |                  |  |                  |  |                  |  |
| Operating voltage range                                  | 120V~1000Vdc                                                                  |              |                  |                |                  |  |                  |  |                  |  |
| Maximum current                                          | 100A                                                                          |              |                  |                |                  |  |                  |  |                  |  |
| Monitoring parameters                                    | SOC, System voltage, current, cell voltage,cell temperature, PCBA temperature |              |                  |                |                  |  |                  |  |                  |  |
| Battery Module                                           |                                                                               |              |                  |                |                  |  |                  |  |                  |  |
| AXE 5.0H-E1 EU                                           |                                                                               |              |                  |                |                  |  |                  |  |                  |  |
| Nominal energy                                           | 5kWh                                                                          |              |                  |                |                  |  |                  |  |                  |  |
| Nominal voltage                                          | 51.2V                                                                         |              |                  |                |                  |  |                  |  |                  |  |
| Pack operating voltage/range                             | 46.4~56.8V                                                                    |              |                  |                |                  |  |                  |  |                  |  |
| Battery module dimension (W/H/D)                         | 482/131/580mm                                                                 |              |                  |                |                  |  |                  |  |                  |  |
| Battery module weight                                    | ≤48.5kg                                                                       |              |                  |                |                  |  |                  |  |                  |  |
| UN 38.3, IEC 62619, IEC 60730, IEC 62477, CE, RoHS, UKCA |                                                                               |              |                  |                |                  |  |                  |  |                  |  |

\* 1 Depend on the max. battery charge/discharge power of the inverter.

\* Nominal charge/discharge current and power derating will occur related to temperature and SOC.

SHENZHEN GROWATT NEW ENERGY CO.,LTD All rights reserved. All specifications are subject to change without notice.