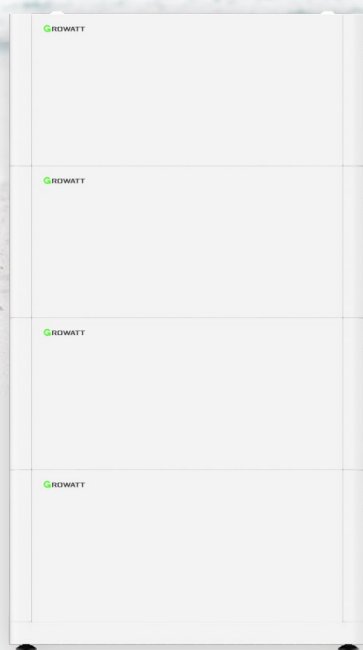


# ALP LV Battery System (AU)

ALP 5.0L-E1

- Flexible capacity options, 5kWh to 50kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- IP66 Suitable for indoor and outdoor use



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

**GROWATT**

[en.growatt.com](https://en.growatt.com)

| Datasheet                                                                 | ALP 5.0L-E1                                                                                    | ALP 10.0L-E1                                                                      | ALP 15.0L-E1                                                                      | ALP 20.0L-E1                                                                      | ALP 25.0L-E1                                                                      | ALP 30.0L-E1                                                                       | ALP 35.0L-E1                                                                        | ALP 40.0L-E1                                                                        | ALP 45.0L-E1                                                                        | ALP 50.0L-E1                                                                        |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| System Data                                                               |                                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| System demo                                                               |               |  |  |  |  |  |  |  |  |  |
| Parallel number                                                           | 1                                                                                              | 2                                                                                 | 3                                                                                 | 4                                                                                 | 5                                                                                 | 6                                                                                  | 7                                                                                   | 8                                                                                   | 9                                                                                   | 10                                                                                  |
| Model                                                                     | ALP5.0L-E1                                                                                     | ALP10.0L-E1                                                                       | ALP15.0L-E1                                                                       | ALP20.0L-E1                                                                       | ALP25.0L-E1                                                                       | ALP30.0L-E1                                                                        | ALP35.0L-E1                                                                         | ALP40.0L-E1                                                                         | ALP45.0L-E1                                                                         | ALP50.0L-E1                                                                         |
| Nominal energy                                                            | 5kWh                                                                                           | 10kWh                                                                             | 15kWh                                                                             | 20kWh                                                                             | 25kWh                                                                             | 30kWh                                                                              | 35kWh                                                                               | 40kWh                                                                               | 45kWh                                                                               | 50kWh                                                                               |
| Rated energy                                                              | 5kWh                                                                                           | 10kWh                                                                             | 15kWh                                                                             | 20kWh                                                                             | 25kWh                                                                             | 30kWh                                                                              | 35kWh                                                                               | 40kWh                                                                               | 45kWh                                                                               | 50kWh                                                                               |
| Nominal capacity                                                          | 100Ah                                                                                          | 200Ah                                                                             | 300Ah                                                                             | 400Ah                                                                             | 500Ah                                                                             | 600Ah                                                                              | 700Ah                                                                               | 800Ah                                                                               | 900Ah                                                                               | 1000Ah                                                                              |
| Rated capacity                                                            | 100Ah                                                                                          | 200Ah                                                                             | 300Ah                                                                             | 400Ah                                                                             | 500Ah                                                                             | 600Ah                                                                              | 700Ah                                                                               | 800Ah                                                                               | 900Ah                                                                               | 1000Ah                                                                              |
| Nominal voltage                                                           | 51.2V                                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Voltage range                                                             | 46.4~57.6V                                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Rated current                                                             | 75A                                                                                            | 100A                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Max current                                                               | 80A                                                                                            | 125A                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Rated power                                                               | 3.5kW                                                                                          | 5kW                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Max power                                                                 | 4kW                                                                                            | 6.2kW                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| DoD                                                                       | 100%                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Operating temperature                                                     | -10°C~50°C                                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Dimensions* <sup>1</sup>                                                  | 690/185/295mm                                                                                  | 690/185/590mm                                                                     | 690/185/885mm                                                                     | 690/185/1180mm                                                                    | 690/185/1475mm                                                                    | 690/185/1770mm                                                                     | 690/185/2065mm                                                                      | 690/185/2360mm                                                                      | 690/185/2655mm                                                                      | 690/185/2950mm                                                                      |
| Weight* <sup>2</sup>                                                      | 44Kg                                                                                           | 88Kg                                                                              | 132Kg                                                                             | 176Kg                                                                             | 220Kg                                                                             | 264Kg                                                                              | 308Kg                                                                               | 352Kg                                                                               | 396Kg                                                                               | 440Kg                                                                               |
| IP rating                                                                 | IP66                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Storage temperature                                                       | Temperature:~20°C~25°C/12months<br>25°C~35°C/9months<br>35°C~50°C/6months<br>Humidity:5%~95%RH |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Cooling method                                                            | Natural cooling                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Installation method* <sup>3</sup>                                         | Floor/Wall mount                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Cell type                                                                 | LFP                                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Communication method                                                      | CAN                                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Scalability                                                               | Max.10 PACKs in parallel                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| IEC62619, IEC63056, IEC 62040, UL1973, CE+FCC, UKCA, UN38.3, ROHS, AU-CEC |                                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

\* 1 Height dimension does not include base.

\* 2 Weight without base.

\* 3 Floor installation requires extra base