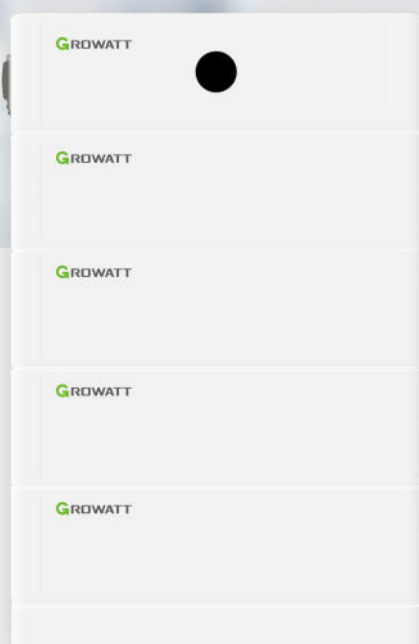


# ARK HV Battery System

(ARK 2.5H-A2)

- Flexible capacity options, 5.12kWh to 25.6kWh
- Excellent safety of cobalt free LiFePO4 battery
- Support -10°C low temperature charging
- Easy installation with modular and stacked design
- Remote firmware upgrade



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



| Datasheet                                          | ARK<br>5.1H-A2                                                                     | ARK<br>7.6H-A2 | ARK<br>10.2H-A2 | ARK<br>12.8H-A2 | ARK<br>15.3H-A2 | ARK<br>17.9H-A2 | ARK<br>20.4H-A2 | ARK<br>23.0H-A2 | ARK<br>25.6H-A2 |
|----------------------------------------------------|------------------------------------------------------------------------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| System demo                                        |  |                |                 |                 |                 |                 |                 |                 |                 |
| Battery module                                     | ARK 2.5H-A2 (2.56kWh, 51.2V, 27kg)                                                 |                |                 |                 |                 |                 |                 |                 |                 |
| Number of modules                                  | 2                                                                                  | 3              | 4               | 5               | 6               | 7               | 8               | 9               | 10              |
| Energy capacity                                    | 5.12kWh                                                                            | 7.68kWh        | 10.24kWh        | 12.8kWh         | 15.36kWh        | 17.92kWh        | 20.48kWh        | 23.04kWh        | 25.6kWh         |
| Nominal power*1                                    | 2.56kW                                                                             | 3.84kW         | 5.12kW          | 6.4kW           | 7.68kW          | 8.96kW          | 10.24kW         | 11.52kW         | 12.8kW          |
| Max. charging/<br>discharging power                | 4.92kW                                                                             | 7.37kW         | 9.83kW          | 12.29kW         | 14.75kW         | 17.2kW          | 19.66kW         | 22.12kW         | 24.58kW         |
| Nominal charge/<br>Discharge current               | 25A                                                                                | 25A            | 25A             | 25A             | 25A             | 25A             | 25A             | 25A             | 25A             |
| Max. charging/<br>discharging current              | 48A                                                                                | 48A            | 48A             | 48A             | 48A             | 48A             | 48A             | 48A             | 48A             |
| Dimension (W/D/H)*2                                | 650/260/555mm                                                                      | 650/260/740mm  | 650/260/925mm   | 650/260/1110mm  | 650/260/1295mm  | 650/260/1480mm  | 650/260/1665mm  | 650/260/1850mm  | 650/260/2035mm  |
| Weight                                             | 64kg                                                                               | 91kg           | 118kg           | 145kg           | 172kg           | 199kg           | 226kg           | 253kg           | 280kg           |
| General                                            |                                                                                    |                |                 |                 |                 |                 |                 |                 |                 |
| Battery type                                       | Cobalt Free Lithium Iron Phosphate (LFP)                                           |                |                 |                 |                 |                 |                 |                 |                 |
| DoD                                                | 90%                                                                                |                |                 |                 |                 |                 |                 |                 |                 |
| Cycle life                                         | 6000+                                                                              |                |                 |                 |                 |                 |                 |                 |                 |
| Standard charge/<br>discharge current              | 25A/0.5C                                                                           |                |                 |                 |                 |                 |                 |                 |                 |
| IP protection                                      | IP65                                                                               |                |                 |                 |                 |                 |                 |                 |                 |
| Installation                                       | Wall-mounted or floor installation*3                                               |                |                 |                 |                 |                 |                 |                 |                 |
| Operation temperature                              | -10~50℃                                                                            |                |                 |                 |                 |                 |                 |                 |                 |
| Humidity                                           | 5%~95%                                                                             |                |                 |                 |                 |                 |                 |                 |                 |
| Warranty                                           | 10 years                                                                           |                |                 |                 |                 |                 |                 |                 |                 |
| BMS Controller                                     |                                                                                    |                |                 |                 |                 |                 |                 |                 |                 |
| HVC 60050-C2                                       |                                                                                    |                |                 |                 |                 |                 |                 |                 |                 |
| Dimension (W/D/H)                                  | 650/260/185mm                                                                      |                |                 |                 |                 |                 |                 |                 |                 |
| Weight                                             | 8.5kg                                                                              |                |                 |                 |                 |                 |                 |                 |                 |
| Input/Output<br>voltage range                      | 90~585V                                                                            |                |                 |                 |                 |                 |                 |                 |                 |
| Communication port                                 | CAN                                                                                |                |                 |                 |                 |                 |                 |                 |                 |
| IEC 62619, IEC 62040, IEC 62477, CE, RoHS, UN 38.3 |                                                                                    |                |                 |                 |                 |                 |                 |                 |                 |

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

\*2 Include BMS controller.

\*3 The battery base and bracket are optional for ARK HV battery.

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

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