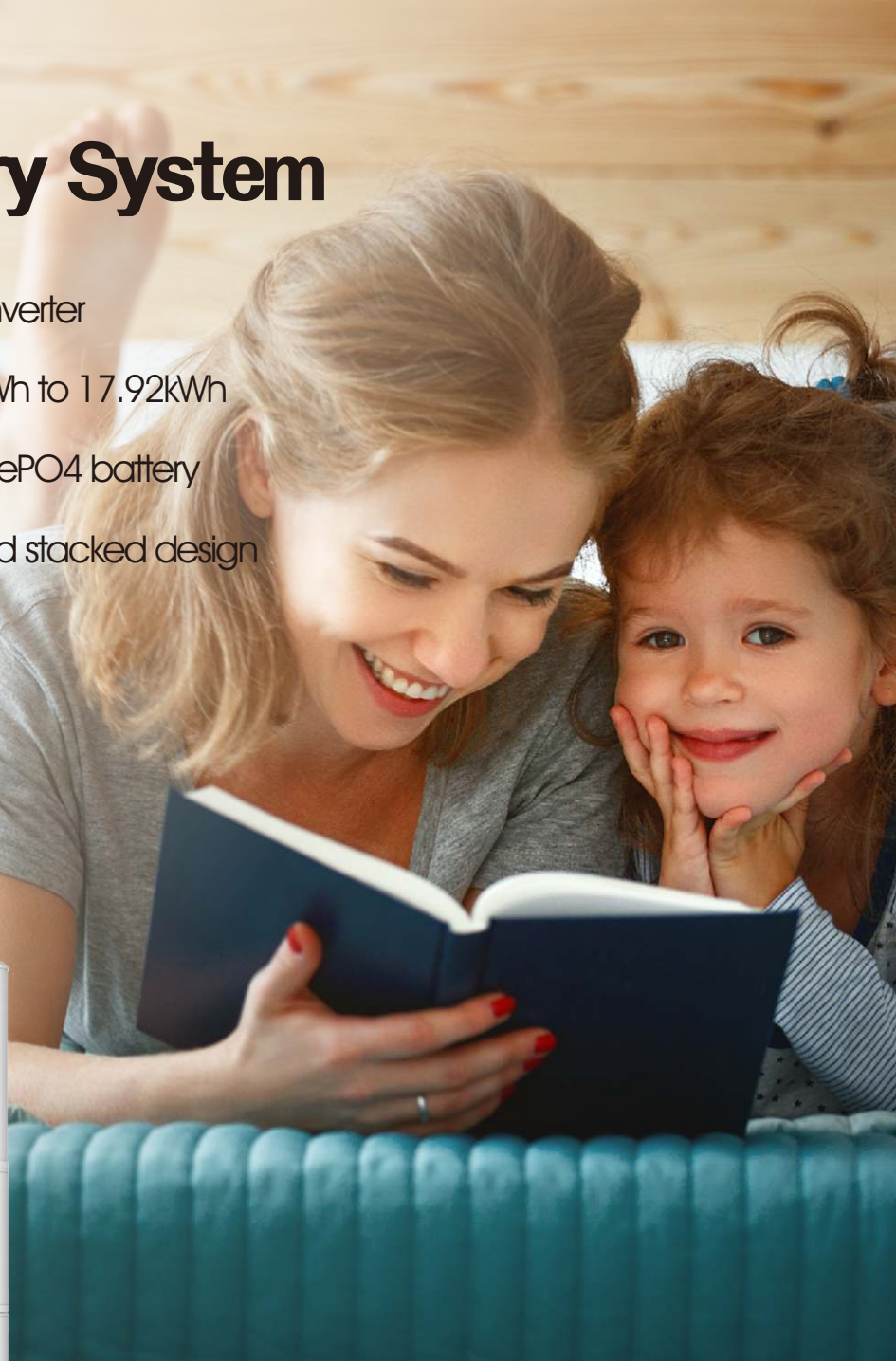
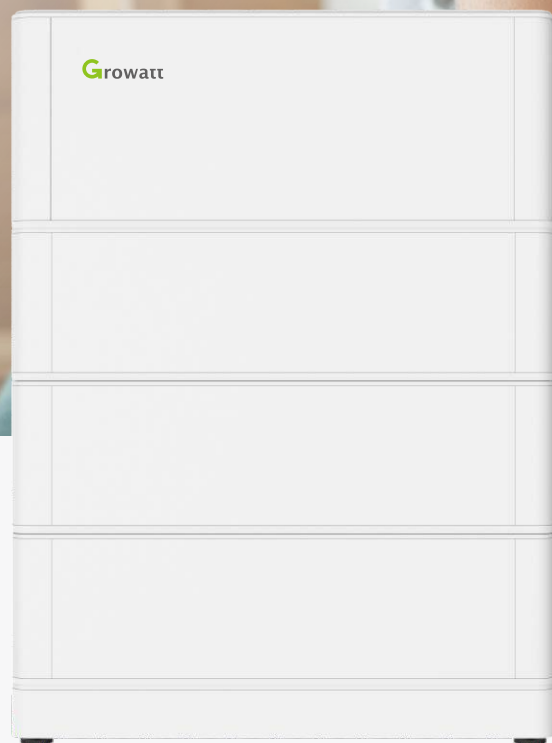


# ARK XH Battery System







- Compatible with MIN-XH series inverter
- Flexible capacity options, 5.12kWh to 17.92kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Remote firmware upgrade



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

**Growatt**  
powering tomorrow

[www.ginverter.com](http://www.ginverter.com)

| Datasheet                                       | ARK 5.1XH   | ARK 7.6XH   | ARK 10.2XH  | ARK 12.8XH   | ARK 15.3XH  | ARK 17.9XH  |
|---|---|---|---|--|---|---|
| System Demo                                     |  |  |  |  |  |  |
| Power module                                    | BDC 95045-A1  |   |   |  |   |   |
| Number of power modules                         | 1   |   |   |  |   |   |
| Battery Module                                  | ARK 2.5H-A1 (2.56kWh, 51.2V, 28kg)  |   |   |  |   |   |
| Number of Modules in Series                     | 2   | 3   | 4   | 5  | 6   | 7   |
| Energy Capacity                                 | 5.12kWh   | 7.68kWh   | 10.24kWh  | 12.8kWh  | 15.36kWh  | 17.92kWh  |
| Usable Capacity                                 | 4.6kWh  | 6.9kWh  | 9.21kWh   | 11.52kWh   | 13.81kWh  | 16.12kWh  |
| Max. output power*1                             | 2.5kW   | 3.75kW  | 5kW   | 6.25kW   | 7.5kW   | 8.75kW  |
| Peak output power                               | 5kW, 10s  | 7.5kW, 10s  | 10kW, 10s   | 12.5kW, 10s  | 15kW, 10s   | 17.5kW, 10s   |
| Dimension (W/D/H)*2                             | 650/260/630mm   | 650/260/815mm   | 650/260/1000mm  | 650/260/1185mm   | 650/260/1370mm  | 650/260/1555mm  |
| Weight  | 71kg  | 99kg  | 127kg   | 155kg  | 183kg   | 211kg   |
| Nominal voltage (single phase system)           | 360V  | 360V  | 360V  | 360V   | 380V  | 440V  |
| Operating voltage range (single phase system)*3 | 360V-550V   | 360V-550V   | 360V-550V   | 360V-550V  | 380V-550V   | 440V-550V   |
| Battery Type                                    | Cobalt Free Lithium Iron Phosphate (LFP)  |   |   |  |   |   |
| IP Protection                                   | IP65  |   |   |  |   |   |
| Installation                                    | Wall-mounted or Floor installation*4  |   |   |  |   |   |
| Operation Temperature                           | -10°C ... -50°C*5   |   |   |  |   |   |
| Relative humidity                               | 5%~95%  |   |   |  |   |   |
| Cooling   | Natural   |   |   |  |   |   |
| <b>Power Module</b>                             | <b>BDC 95045-A1</b>   |   |   |  |   |   |
| Dimension(W/D/H)                                | 650/260/260mm   |   |   |  |   |   |
| Weight  | 15kg  |   |   |  |   |   |
| Communication Port                              | CAN/RS485   |   |   |  |   |   |
| BAT voltage range                               | 90V-400V  |   |   |  |   |   |
| Power module output voltage                     | 360V-550V   |   |   |  |   |   |
| Maximum BAT current                             | 25A   |   |   |  |   |   |
| Peak BAT current                                | 50A   |   |   |  |   |   |
| Monitoring Parameters                           | SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature    |   |   |  |   |   |
| <b>Certification &amp; Licensing</b>            | IEC62619(Cell&Pack)/CE/CEC/RCM/UN38.3   |   |   |  |   |   |

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

\*2 Include power module (BDC 95045-A1)

\*3 Single phase energy storage system supports 2~7pcs battery modules in series

\*4 Floor installation requires extra base (W/D/H=650/260/80 mm)

\*5 The performance will be limited when the temperature is below 10°C and above 45°C

\*ARK series battery has an EU model and a General model, the storage inverters sold in European countries only work with EU model ARK battery.