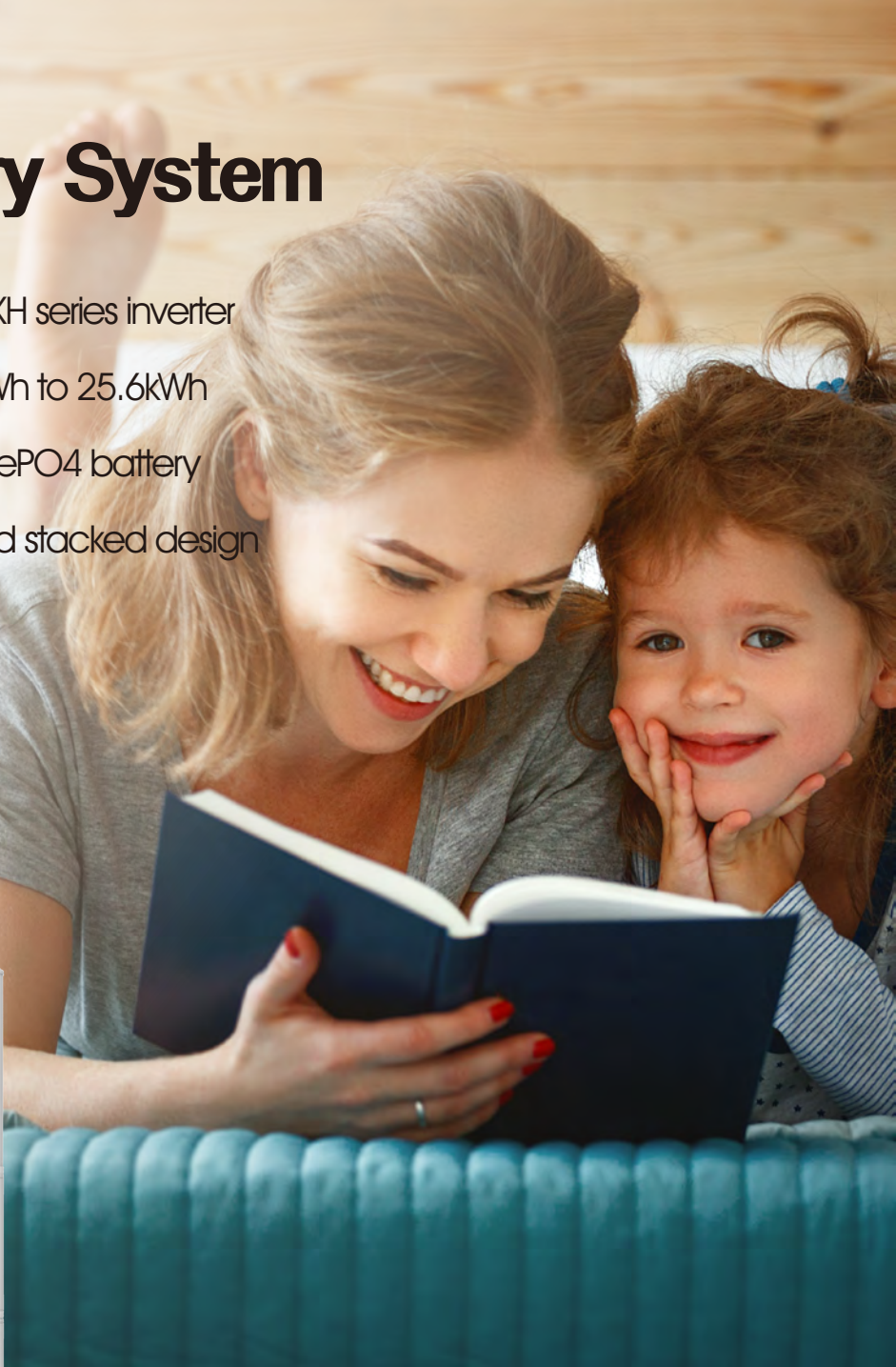
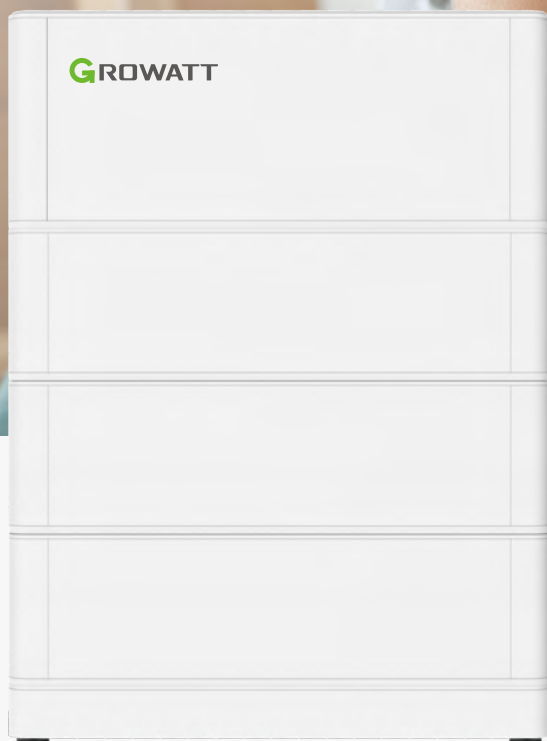


# ARK XH Battery System

- Compatible with MIN-XH, MOD-XH series inverter
- Flexible capacity options, 5.12kWh to 25.6kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Long lifespan, 10 years warranty
- Remote firmware upgrade



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

**GROWATT**

[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)	400V	400V	400V	400V	400V	420V			
Operating voltage range (single phase system)*3	360V-550V	360V-550V	360V-550V	360V-550V	360V-550V	400V-550V			
Nominal voltage (three phase system)	/	650V	650V	650V	650V	650V			
Operating voltage range (three phase system)*4	/	600V-950V	600V-950V	600V-950V	600V-950V	600V-950V			
Battery Type	Cobalt Free Lithium Iron Phosphate (LFP)								
IP Protection	IP65								
Installation	Wall-mounted or Floor installation*5								
Operation Temperature	-10°C ... -50°C*6								
Relative humidity	5%~95%								
Cooling	Natural								
Warranty	10 years								
<b>Power modules</b>	<b>BDC 95045-A1</b>								
Dimension(W/D/H)	650/260/260mm								
Weight	15kg								
Communication Port	CAN/RS485								
BAT voltage range	90V-568V								
Power module output voltage	360V-950V								
Maximum BAT current	25A								
Peak BAT current	48A								
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 battery ready ESS supports 2~7 pcs battery modules in series

\*4 Three phase battery ready ESS supports 3~10 pcs battery modules in series

\*5 Floor installation requires extra base (W\*D\*H=650/260/80 mm)

\*6 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.