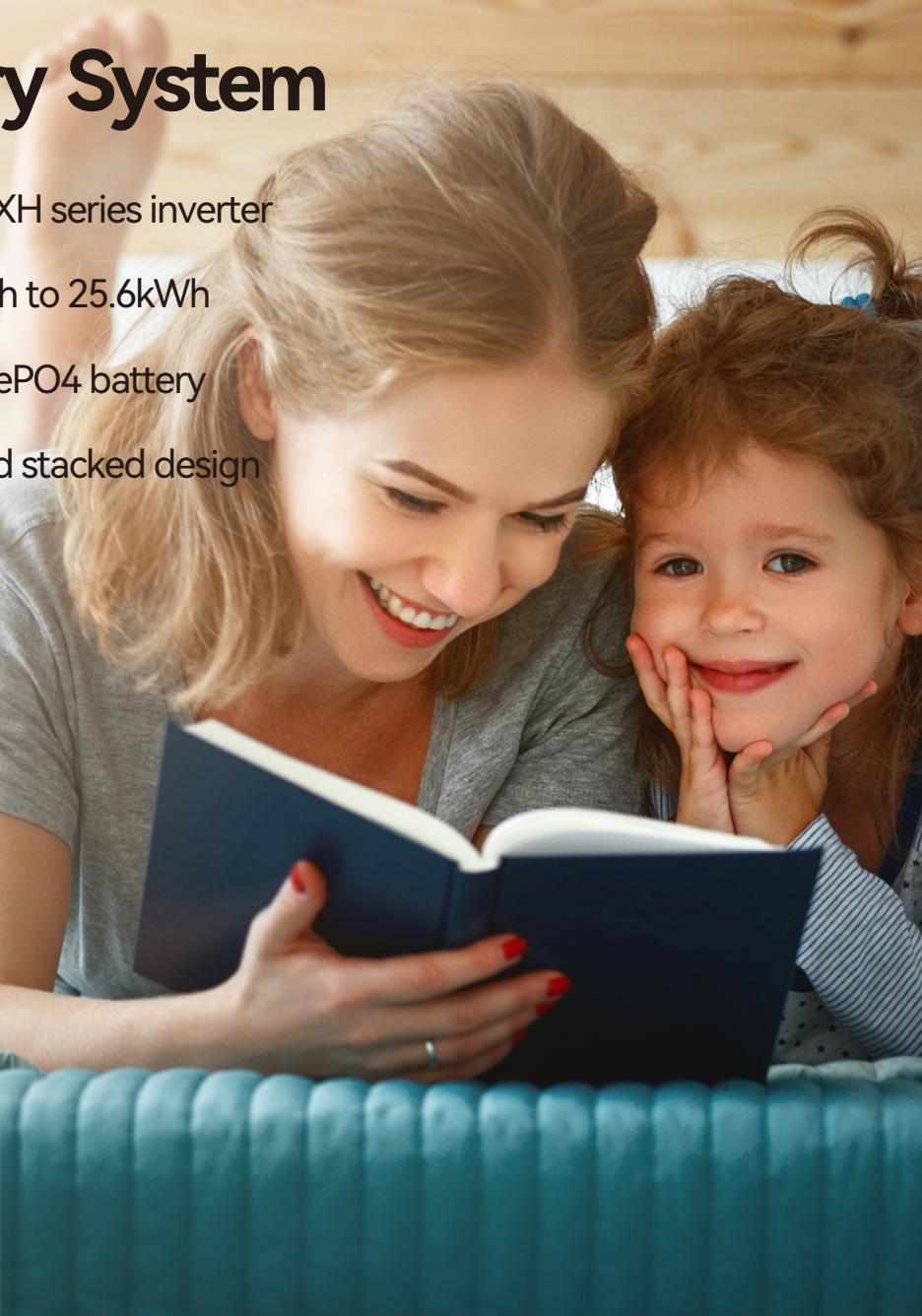
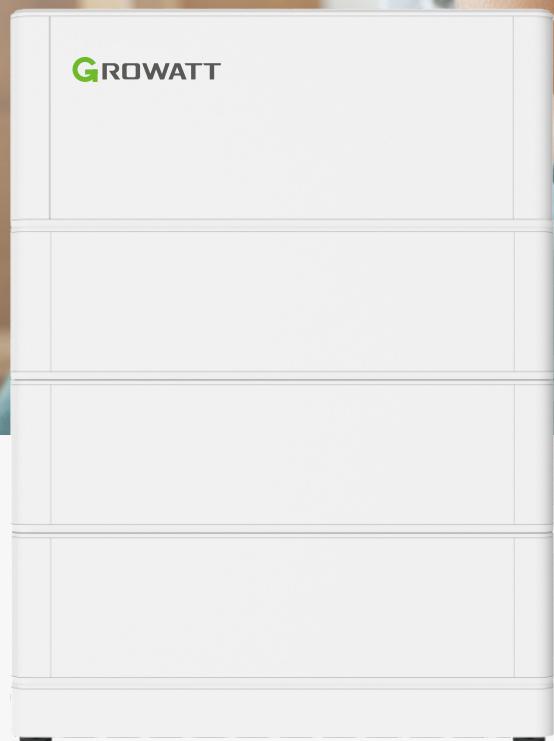


ARK XH Battery System

- 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
- Remote firmware upgrade



P O W E R
- I N G O
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Datasheet	ARK 5.1XH	ARK 7.6XH	ARK 10.2XH	ARK 12.8XH	ARK 15.3XH	ARK 17.9XH	ARK 20.4XH	ARK 23XH	ARK 25.6XH
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	8	9	10
Energy capacity	5.12kWh	7.68kWh	10.24kWh	12.8kWh	15.36kWh	17.92kWh	20.48kWh	23.04kWh	25.6kWh
Max. output power* ¹	2.5kW	3.75kW	5kW	6.25kW	7.5kW	8.75kW	10kW	11.25kW	12.5kW
Peak output power	5kW,10s	7.5kW,10s	10kW,10s	12.5kW,10s	15kW,10s	17.5kW,10s	20kW,10s	22.5kW,10s	25kW,10s
Dimension (W/D/H)* ²	650/260/630mm	650/260/815mm	650/260/1000mm	650/260/1185mm	650/260/1370mm	650/260/1555mm	650/260/1740mm	650/260/1925mm	650/260/2110mm
Weight	72.5kg	100.5kg	128.5kg	156.5kg	184.5kg	212.5kg	240.5kg	268.5kg	296.5kg
Nominal voltage (single phase system)	400V	400V	400V	400V	400V	400V	/	/	/
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	650V	650V	650V
Operating voltage range (three phase system)* ⁴	/	560V-950V	560V-950V	560V-950V	560V-950V	560V-950V	560V-950V	580V-950V	640V-950V
Battery type						Cobalt Free Lithium Iron Phosphate (LFP)			
IP protection						IP65			
DoD						90%			
Installation						Wall-mounted or Floor installation* ⁵			
Operation temperature						-10°C ...~50°C* ⁶			
Relative humidity						5%~95%			
Cooling						Natural			
Warranty						10 years			
Power modules						BDC 95045-A1			
Dimension (W/D/H)						650/260/265mm			
Weight						16.5kg			
Communication port						CAN/RS485			
Nominal voltage						400V/650V			
Operating voltage range						360V-950V			
Maximum current						21A			
Peak current						41A,10s			
Monitoring parameters						SOC, system voltage, current, cell voltage,cell temperature, PCBA temperature			

IEC 62619(Cell&Pack), CE, CEC, RCM, UN 38.3

*1 Include BMS controller

*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 The battery base and bracket are optional for ARK XH battery

*6 Battery discharge: -10°C ~ 50°C, battery charge: 0°C ~ 50°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.

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

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