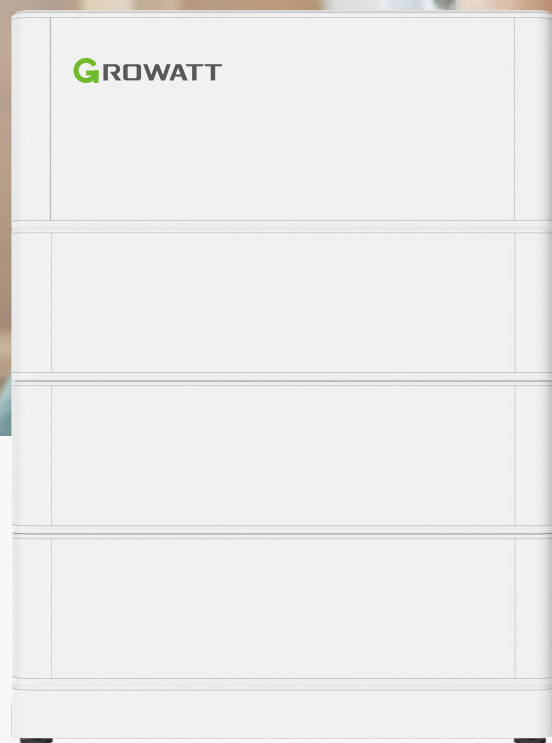


# ARK XH Battery System



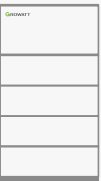






- Compatible with MIN-XH, MOD-XH series inverter
- Flexible capacity options, 5.12kWh to 25.6kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Long lifespan, 10 years warranty
- Remote firmware upgrade



P O W E R  
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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
Usable Capacity	4.6kWh	6.9kWh	9.21kWh	11.52kWh	13.81kWh	16.12kWh	18.42kWh	20.74kWh	23.04kWh
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	71kg	99kg	127kg	155kg	183kg	211kg	239kg	267kg	295kg
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	/	600V-950V	600V-950V	600V-950V	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								
Nominal voltage	400V/650V								
Operating voltage range	360V-950V								
Maximum current	21A								
Peak current	42A, 10s								
Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature								
<b>Certification &amp; Licensing</b>	<b>IEC62619(Cell&amp;Pack)/CE/CEC/RCM/UN38.3</b>								

\*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 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.

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