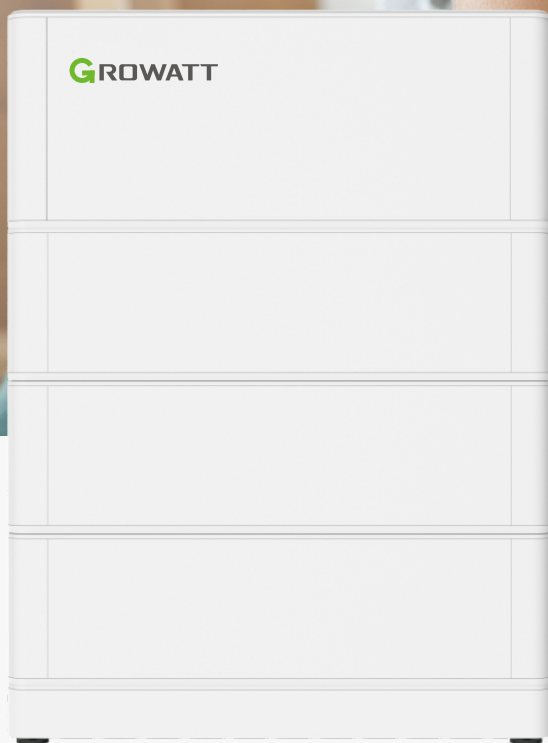


ARK XH Battery System




- 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
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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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