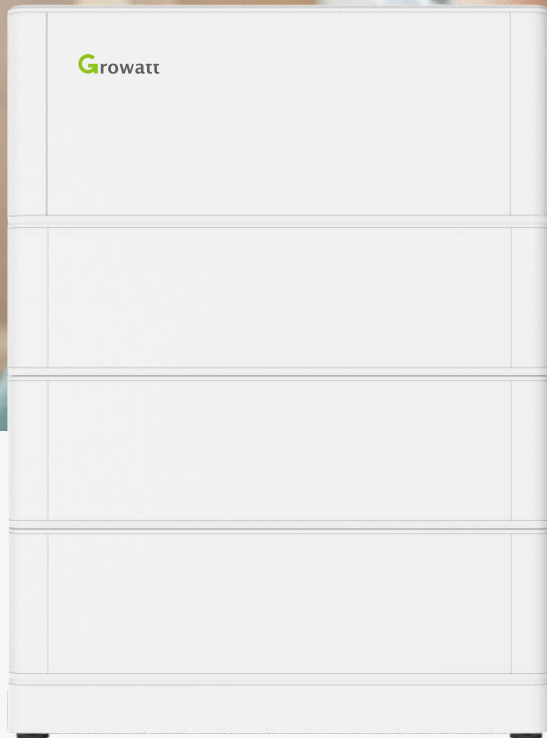


ARK XH Battery System








- Compatible with MIN-XH series
- Flexible capacity options, 5.12kWh to 20.48kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Long lifespan, 10 years warranty
- Remote firmware upgrade



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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
System Demo							
Power module	BDC 25KTL-BH						
Number of power modules	1						
Battery Module	ARK 2.5H-A1 (2.56kWh, 51.2V, 30kg)						
Number of Modules in Series	2	3	4	5	6	7	8
Energy Capacity	5.12kWh	7.68kWh	10.24kWh	12.8kWh	15.36kWh	17.92kWh	20.48kWh
Max. output power*1	2.5kW	3.75kW	5kW	6.25kW	7.5kW	8.75kW	10kW
Peak output power	5kW, 10s	7.5kW, 10s	10kW, 10s	12.5kW, 10s	15kW, 10s	17.5kW, 10s	20kW, 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
Weight	75kg	105kg	135kg	165kg	195kg	225kg	255kg
Nominal voltage (single phase system)	360V	360V	360V	360V	380V	440V	500V
Operating voltage range (single phase system)*3	360V-550V	360V-550V	360V-550V	360V-550V	380V-550V	440V-550V	500V-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						
Features							
DoD	90%						
Warranty	10 years						
Power module	BDC 25KTL-BH						
Dimension(W/D/H)	650/260/260mm						
Weight	15kg						
Communication Port	CAN/RS485						
Power module voltage	85V-560V						
BAT voltage range	360V-1000V						
Maximum BAT current	25A						
Peak BAT current	50A						
Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement						
Certification	IEC 62619(Cell&Pack)/CE/CEC/RCM/UN38.3						

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

*2 Include power module(BDC 25KTL-BH)

*3 Single phase ESS system supports 2~8 pcs battery modules in series

*4 Floor installation requires extra base (W*D*H=610/250/170 mm)

*5 The performance will be limited when the temperature is below 0°C or 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.