

ARK HV Battery System




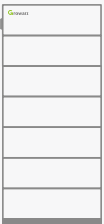



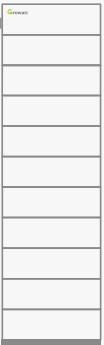
- Flexible capacity options, 7.68kWh to 25.6kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Remote firmware upgrade



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Datasheet	ARK 7.6H	ARK 10.2H	ARK 12.8H	ARK 15.3H	ARK 17.9H	ARK 20.4H	ARK 23.0H	ARK 25.6H
System Demo								
Battery Module	ARK 2.5H-A1 (2.56kWh, 51.2V, 30kg)							
Number of Modules	3	4	5	6	7	8	9	10
Energy Capacity	7.68kWh	10.24kWh	12.8kWh	15.36kWh	17.92kWh	20.48kWh	23.04kWh	25.6kWh
Nominal Voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V	460.8V	512V
Operating Voltage Range	141.6~170.4V	188.8~227.2V	236~284V	283.2~340.8V	330.4~397.6V	377.6~454.4V	424.8~511.2V	472~568V
Dimension (W/D/H)* ¹	610/250/770mm	610/250/970mm	610/250/1170mm	610/250/1370mm	610/250/1570mm	610/250/1770mm	610/250/1970mm	610/250/2170mm
Weight	100kg	130kg	160kg	190kg	220kg	250kg	280kg	310kg
General								
Battery Type	Cobalt Free Lithium Iron Phosphate (LFP)							
Standard Charge/Discharge Current	25A/0.5C							
Max Charge/Discharge Current	50A/1C							
IP Protection	IP65							
Installation	Wall-mounted or Floor installation* ²							
Operation Temperature	-10~50°C* ³							
Features								
DoD	90%							
Warranty: 5 years /10 years	Yes/optional							
BMS Controller								
HVC 60050-A1								
Weight	10kg							
Communication Port	CAN							
Dimension(W/D/H)	610/250/170 mm							
BMS Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement							
Certification								
IEC62619(Cell&Pack), CE, CEC, RCM, UN38.3								

*1 Includ BMS controller

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

*3 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.



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