

ARK HV Battery System

- 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
- Long lifespan, 10 years warranty



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Datasheet	ARK 5.1H	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*1	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
Nominal Voltage	102.4V	153.6V	204.8V	256V	307.2V	358.4V	409.6V	460.8V	512V
Operating Voltage Range	94.4-113.6V	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)*2	610/250/570mm	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	70kg	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*3								
Operation Temperature	-10-45°C*4								
Features									
DoD	90%								
Warranty	10Years								
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 Depends on the battery voltage range of storage inverter, start with three battery modules for SPH/SPA 4000-10000TL3 BH.

*2 Include BMS controller

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

*4 The performance will be limited when the temperature is below 0°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.