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, 28kg)							
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
Usable Capacity	6.9kWh	9.21kWh	11.52kWh	13.81kWh	16.12kWh	18.43kWh	20.73kWh	23.04kWh
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	650/260/725mm	650/260/905mm	650/260/1085mm	650/260/1265mm	650/260/1445mm	650/260/1625mm	650/260/1805mm	650/260/1985mm
Weight	91kg	118kg	145kg	172kg	199kg	226kg	253kg	280kg
General								
Battery Type	Cobalt Free Lithium Iron Phosphate (LFP)							
Standard Charge/ Discharge Current	25A/0.5C							
IP Protection	IP65							
Installation	Wall-mounted or Floor installation*2							
Operation Temperature	-10~50°C*3							
Warranty	10Years							
BMS Controller	**HVC 60050-A1**							
Weight	8kg							
Communication Port	CAN							
Dimension(W/D/H)	650/260/185 mm							
BMS Monitoring Parameters	SOC, System voltage, current, cell voltage,cell temperature, PCBA temperature measurement							
Certification & Licensing	IEC62619(Cell&Pack), CE, CEC, RCM, UN38.3							

*1 Include BMS controller

*2 Floor installation requires extra base (W/D/H=650/260/80 mm)

*3 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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