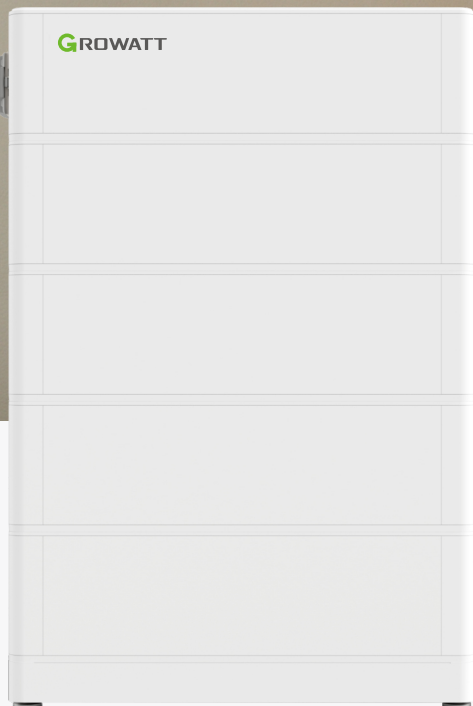


ARK HV Battery System






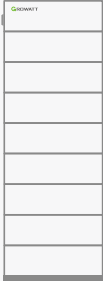


- Flexible capacity options, 7.68kWh to 25.6kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Remote firmware upgrade



P O W E R
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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
Nominal Power* ¹	3.75kW	5kW	6.25kW	7.5kW	8.75kW	10kW	11.25kW	12.5kW
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)* ²	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)
DoD	90%
Standard Charge/Discharge Current	25A/0.5C
IP Protection	IP65
Installation	Wall-mounted or Floor installation* ³
Operation Temperature	-10~50°C* ⁴
Warranty	10Years

BMS Controller

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 Depend on the max. battery charge/discharge power of the inverter.
 *2 Include BMS controller
 *3 The battery base and bracket are optional for ARK HV battery
 *4 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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