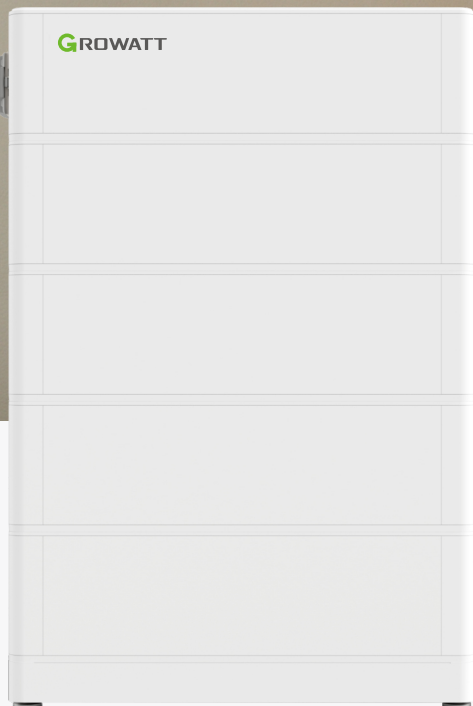


ARK HV Battery System

- 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
- I N G O
T O M O -
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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 |
|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|



| | | | | | | | | |
|---------------------------------|------------------------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 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

| | |
|---------------------------|--|
| 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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