

ARK HV Battery System


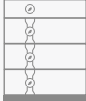
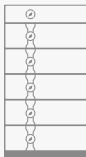
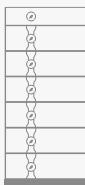
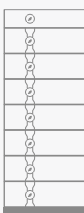
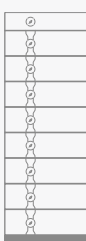
- Flexible capacity options, 5.12kWh to 25.6kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Long lifespan, 10 years warranty



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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 |
| 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 | | | | | | | | |
| Features | | | | | | | | | |
| DoD | 90% | | | | | | | | |
| Cycle Life | > 6000 | | | | | | | | |
| Warranty | 10 years | | | | | | | | |
| BMS Controller | | | | | | | | | |
| HVC 60050-A1 | | | | | | | | | |
| Weight | 10kg | | | | | | | | |
| Communication Port | CAN/RS485 | | | | | | | | |
| 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 Decided by 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)