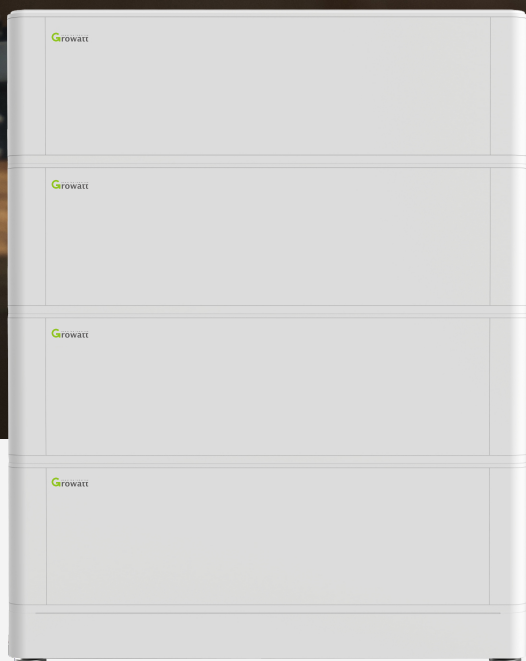


ARK LV Battery System

- Flexible capacity options, 2.56kWh to 23.04kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Long lifespan, 10 years warranty



P O W E R
- I N G O
T O M O -
R R O W O



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| Datasheet | ARK 2.5L | ARK 5.1L | ARK 7.6L | ARK 10.2L | ARK 12.8L | ARK 15.3L | ARK 17.9L | ARK 20.4L | ARK 23.0L |
|------------------------------|--|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| System Demo | | | | | | | | | |
| Battery Module | ARK 2.5L-A1 (2.56kWh, 51.2V, 30kg) | | | | | | | | |
| Number of Modules | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Energy Capacity | 2.56kWh | 5.12kWh | 7.68kWh | 10.24kWh | 12.8kWh | 15.35kWh | 17.92kWh | 20.48kWh | 23.04kWh |
| Dimension (W/D/H) | 650/260/180mm | 650/260/360mm | 650/260/540mm | 650/260/720mm | 650/260/900mm | 650/260/1080mm | 650/260/1260mm | 650/260/1440mm | 650/260/1620mm |
| Weight | 30kg | 60kg | 90kg | 120kg | 150kg | 180kg | 210kg | 240kg | 270kg |
| Max Charge/Discharge Current | 25A | 50A | 75A | 100A | 120A | 120A | 120A | 120A | 120A |
| General | | | | | | | | | |
| Battery Type | Cobalt Free Lithium Iron Phosphate (LFP) | | | | | | | | |
| Nominal Voltage | 51.2V | | | | | | | | |
| Operating voltage Range | 47.2 - 56.8V | | | | | | | | |
| IP Protection | IP65 | | | | | | | | |
| Installation | Wall-mounted or *Floor installation | | | | | | | | |
| Operation Temperature | -10~45℃ | | | | | | | | |
| Features | | | | | | | | | |
| DoD | 90% | | | | | | | | |
| Cycle Life | >6000 | | | | | | | | |
| BMS Monitoring Parameters | SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement | | | | | | | | |
| Communication Port | CAN/RS485 | | | | | | | | |
| Warranty | 10 Years | | | | | | | | |
| Certification | IEC62619 (Cell&Pack), CE, CEC, RCM, UN38.3 | | | | | | | | |

*Floor installation requires extra base (W/D/H=650/260/110 mm)