

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
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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)	650/260/170mm	650/260/340mm	650/260/510mm	650/260/680mm	650/260/850mm	650/260/1020mm	650/260/1190mm	650/260/1360mm	650/260/1530mm
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	0~45℃								
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)

**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.