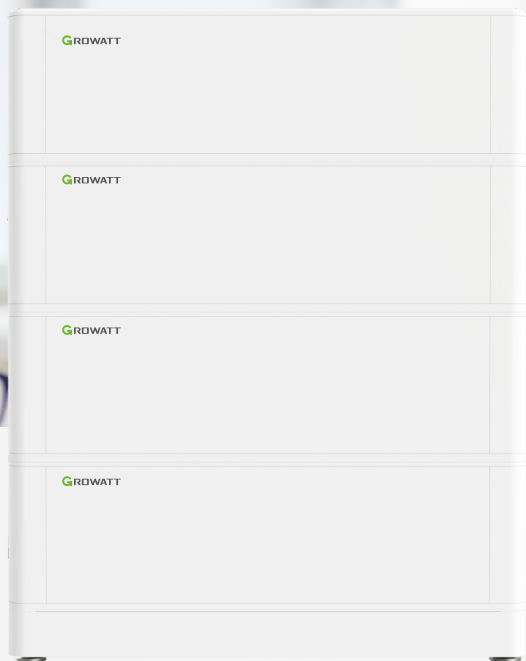


ARK LV Battery System

- Flexible capacity options, 2.56kWh 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 2.5L-A1	ARK 5.1L-A1	ARK 7.6L-A1	ARK 10.2L-A1	ARK 12.8L-A1	ARK 15.3L-A1	ARK 17.9L-A1	ARK 20.4L-A1	ARK 23.0L-A1	ARK 25.6L-A1
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System Demo										
Battery Module	ARK 2.5L-A1 (2.56kWh, 51.2V, 28kg)									
Number of Modules	1	2	3	4	5	6	7	8	9	10
Nominal Energy	2.56kWh	5.12kWh	7.68kWh	10.24kWh	12.8kWh	15.35kWh	17.92kWh	20.48kWh	23.04kWh	25.64kWh
Rated Energy	2.30kWh	4.6kWh	6.9kWh	9.21kWh	11.52kWh	13.81kWh	16.12kWh	18.43kWh	20.73kWh	23.04kWh
Dimension (W/D/H)	650/260/185mm	650/260/366mm	650/260/547mm	650/260/728mm	650/260/909mm	650/260/1090mm	650/260/1271mm	650/260/1452mm	650/260/1633mm	650/260/1814mm
Weight	28kg	56kg	84kg	112kg	140kg	168kg	196kg	224kg	252kg	280kg
Standard Charge/Discharge Current	25A	50A	75A	100A	100A	100A	100A	100A	100A	100A

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* ¹
Operation Temperature	-10~50°C* ²

Features

BMS Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement
Communication Port	CAN
Warranty: 10 years	Yes

Certification

IEC62619 (Cell&Pack), CE, CEC, RCM, UN38.3

*¹ Floor installation requires extra base (W/D/H=650/260/80 mm)

*² 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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