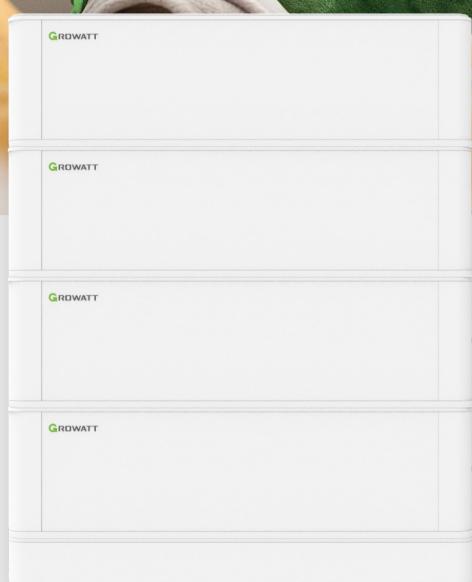


ARK LV Battery System

(ARK 2.5L-A2)

- Flexible capacity options, 2.56kWh to 25.6kWh
- Excellent safety of cobalt free LiFePO4 battery
- Support -10°C low temperature charging
- Easy installation with modular and stacked design
- Remote firmware upgrade



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

Datasheet	ARK 2.5L-A2	ARK 5.1L-A2	ARK 7.6L-A2	ARK 10.2L-A2	ARK 12.8L-A2	ARK 15.3L-A2	ARK 17.9L-A2	ARK 20.4L-A2	ARK 23.0L-A2	ARK 25.6L-A2
System demo										
Battery module	ARK 2.5L-A2 (2.56kWh, 51.2V, 28kg)									
Number of modules	1	2	3	4	5	6	7	8	9	10
Energy capacity	2.56kWh	5.12kWh	7.68kWh	10.24kWh	12.8kWh	15.35kWh	17.92kWh	20.48kWh	23.04kWh	25.6kWh
Nominal power* ¹	1.28kW	2.56kW	3.84kW	5.1kW	5.1kW	5.1kW	5.1kW	5.1kW	5.1kW	5.1kW
Max. charging/ discharging power	2.45kW	4.9kW	5.63kW	5.63kW	5.63kW	5.63kW	5.63kW	5.63kW	5.63kW	5.63kW
Nominal charge/ Discharge current	25A	50A	75A	100A	100A	100A	100A	100A	100A	100A
Max. charging/ discharging current	48A	96A	110A	110A	110A	110A	110A	110A	110A	110A
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
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* ²									
Operation temperature	-10~50°C									
Humidity	5%~95%									
Features										
DoD	90%									
Cycle life	6000+									
Communication port	CAN/RS485 (Optional)									
Warranty	10 years									
IEC 62619, IEC 62040, CE, RoHS, UN 38.3										

*1 Depend on the max. battery charge/discharge power of the inverter.

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

* Nominal charge/discharge current and power derating will occur related to Temperature and SOC.

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