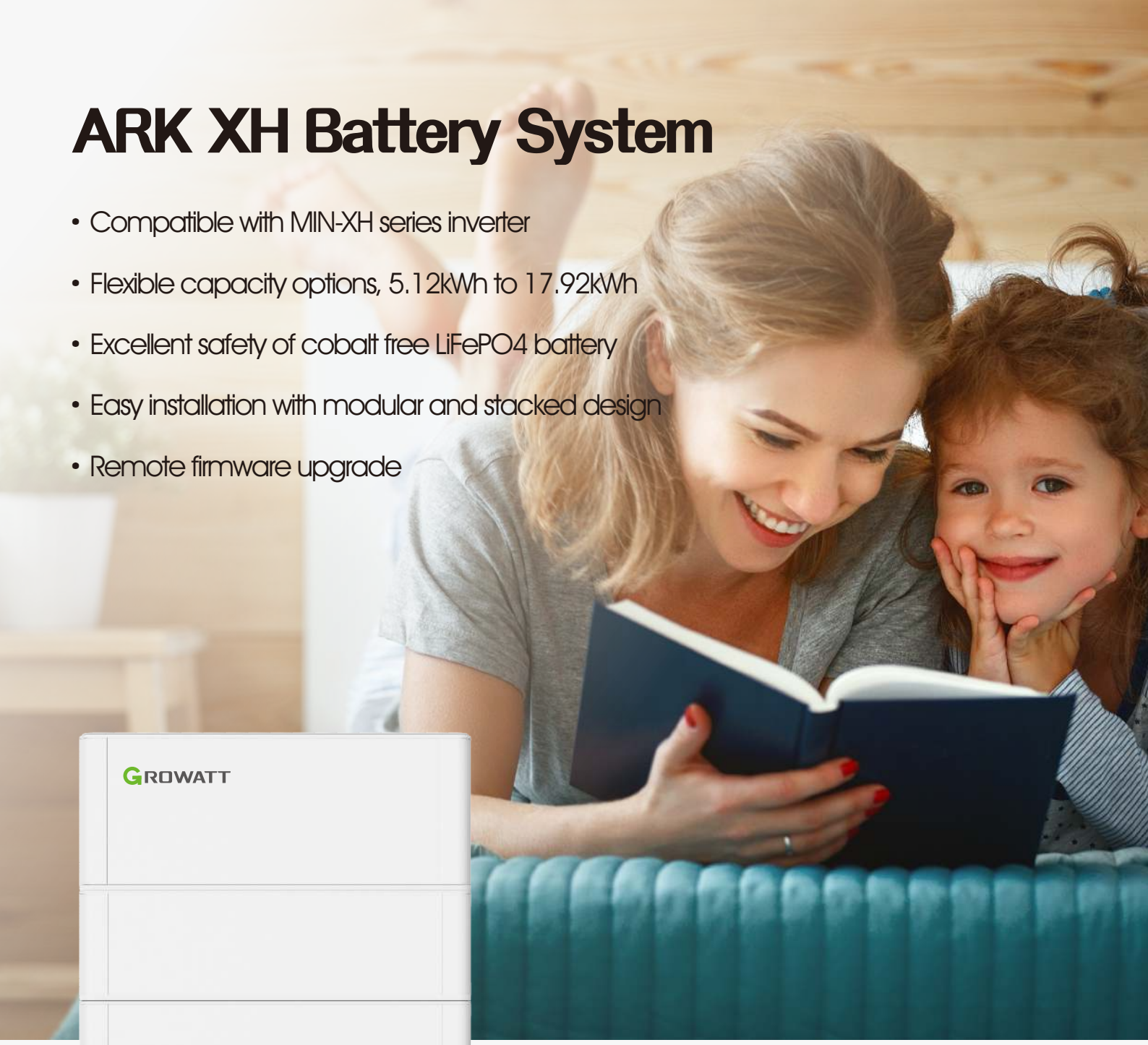
ARK XH Battery System

- Compatible with MIN-XH series inverter
- Flexible capacity options, 5.12kWh to 17.92kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Remote firmware upgrade



POWER-ING TOMO-RROW

GROWATT

www.ginverter.com

Datasheet	ARK 5.1XH	ARK 7.6XH	ARK 10.2XH	ARK 12.8XH	ARK 15.3XH	ARK 17.9XH
System Demo						
Power module	BDC 95045-A1					
Number of power modules	1					
Battery Module	ARK 2.5H-A1 (2.56kWh, 51.2V, 28kg)					
Number of Modules in Series	2	3	4	5	6	7
Energy Capacity	5.12kWh	7.68kWh	10.24kWh	12.8kWh	15.36kWh	17.92kWh
Usable Capacity	4.6kWh	6.9kWh	9.21kWh	11.52kWh	13.81kWh	16.12kWh
Max. output power*1	2.5kW	3.75kW	5kW	6.25kW	7.5kW	8.75kW
Peak output power	5kW,10s	7.5kW,10s	10kW,10s	12.5kW,10s	15kW,10s	17.5kW,10s
Dimension (W/D/H)*2	650/260/630mm	650/260/815mm	650/260/1000mm	650/260/1185mm	650/260/1370mm	650/260/1555mm
Weight	71kg	99kg	127kg	155kg	183kg	211kg
Nominal voltage (single phase system)	360V	360V	360V	360V	380V	440V
Operating voltage range (single phase system)*3	360V-550V	360V-550V	360V-550V	360V-550V	380V-550V	440V-550V
Battery Type	Cobalt Free Lithium Iron Phosphate (LFP)					
IP Protection	IP65					
Installation	Wall-mounted or Floor installation*4					
Operation Temperature	–10°C ...~50°C*5					
Relative humidity	5%~95%					
Cooling	Natural					
Power Module	**BDC 95045-A1**					
Dimension(W/D/H)	650/260/260mm					
Weight	15kg					
Communication Port	CAN/RS485					
BAT voltage range	90V-400V					
Power module output voltage	360V-550V					
Maximum BAT current	25A					
Peak BAT current	50A					
Monitoring Parameters	SOC, System voltage, current, cell voltage,cell temperature, PCBA temperature					
Certification & Licensing	IEC62619(Cell&Pack)/CE/CEC/RCM/UN38.3					

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

*2 Includle power module (BDC 95045-A1)

*3 Single phase energy storage system supports 2~7pcs battery modules in series

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

*5 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.

*2021 SHENZHEN GROWATT NEW ENERGY CO.,LTD All rights reserved. Subject to change without notice.

SHENZHEN GROWATT NEW ENERGY CO.,LTD. A: 2nd & 3rd Floor,Building 4,Jiayu Industrial Zone,Xibianling,Shangwu Village,Shiyan,Baoan District,Shenzhen
T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com