

AK POWER is one of the leading lithium battery manufacturers based in Shenzhen, China. With over 10 years R&D experience in renewable power industry, AK POWER has built deep professional team for serving global business and strong supply chains for providing highly cost-effective energy storage solutions.

Our main categories include residential energy storage, C&I energy storage, outdoor backup power, two/three wheeler battery and custom battery packs for electronic devices; ak power supports custom service for each model and has capability to co-develop new project for various applications. With most models certified by CE, ROHS, IEC62133, UL, UN38.3, MSDS, Sea Shipping Reports, we can also offer ready to ship orders.

Now, AK POWER has committed to the research and development of intelligent energy storage technology, with continuous efforts for creating the most secure, efficient and digital renewable power products.

**10 YEARS**

Manufacturing

**10000+m<sup>2</sup>**

Production Base

**30+ PATENTS**

Products Technologies

**100+MWh**

Annual Exports

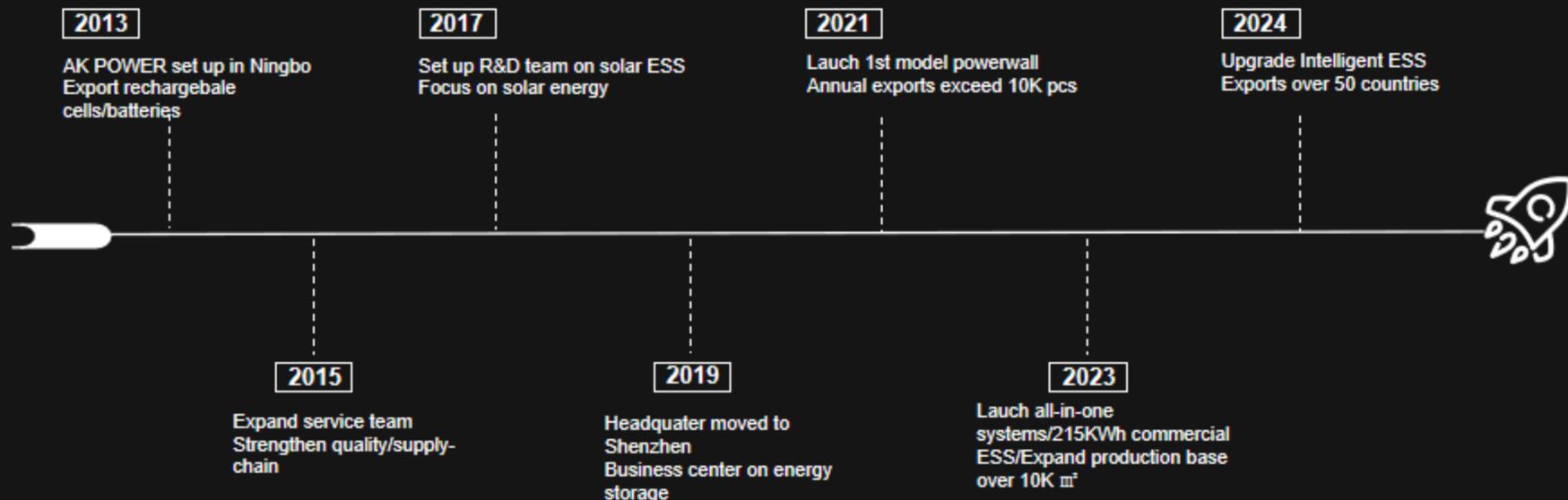
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Add: 8th Floor, Bild. 1, Tianan Cyber Town,  
Longgang, Shenzhen, China

# Development History

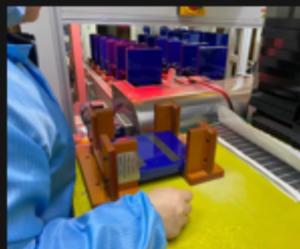
AK POWER has committed to renewable energy for a decade and will grow faster for clean future



# Main Process



Capacity Test



Dimension Test



Circuit test



Battery Aging



Quality Test

# Certificates



Company: ISO14001, ISO9001 Product: UL, CE, IEC, RoHS, MSDS, UN38.3, Sea Shipping Reports, etc

## Rack Mounted Storage Battery



Data Specification			
Product Model	AK-48V200R	AK-48V100R	AK-48V50R
Nominal Voltage	48V/51.2V		
Nominal Capacity	200Ah	100Ah	50Ah
Cell Type	LiFePO4 Cell		
Charging Cut-off Voltage	58.4V		
Standard Charging Current	40A	20A	10A
Continuous Charging Current	100A	50A	25A
Charging Temperature	0°C~45°C		
Discharging Cut-off Voltage	40V		
Discharging Current	200A	100A	50A
Peak Discharging Current(3S)	400A	200A	100A
Discharging Temperature	-20°C~65°C		
BMS Protection	Overcharging/over-discharging, Over-voltage/Over-current, Short Circuit/etc		
Display	LCD Display/Touch Screen		
Battery Size	580*440*240mm	455*480*160mm	440*350*155mm
Package Size	680*520*420mm	570*560*265mm	455*460*350mm
Net Weight	79kg	44kg	about 25kg
Gross Weight	90kg	46kg	about 27kg
Communication	CAN/R S485/R S232 Bluetooth(optional)		
Certificate	UN38.3/MSD S/Sea/Air Transport Report/CE/IEC		
Shipping Method	by Sea/Air/Railway		
Delivery Time	Qty within 100pcs: 5-12days		

# Advantages

AK POWER adopt the best quality LiFePO4 cells as well as BMS to assure batteries' quality and cycling life; all models integrate intelligent BMS for charging and discharging protection, with max 200A operation current; and extremely simple design, easy installing, excellent appearance.

1

## Grade A Quality

Recently produced;  
100% meet standard;  
All cells Tested;  
Capacity grouping;  
Strict control QC

2

## Prolonged Life

8000 cycles @80%DOD;  
5A auto balancing;  
No voltage difference;  
10 years warranty

3

## Easy Installing

Easy to stand corners;  
Universal wheels;  
Removable anywhere;  
Space saving

4

## Max Current

Max 150A charging;  
Max 200A discharging;  
Wide application;  
Electricity saving

5

## Unbeatable Price

Strategic cost;  
Supply-chain advantages;  
Factory wholesale;  
Low moq support

## CTP Technology

the CTP technology of ak power directly integrates LiFePO4 cells into battery pack,which subtracts the modules links,not only improving the battery density but also effectively avoiding modules'capacity decreasing issues,the battery design is all in one box with universal wheels,which can be removable at anywhere you like,greatly assuring safety and avoiding failure rate compared to other models



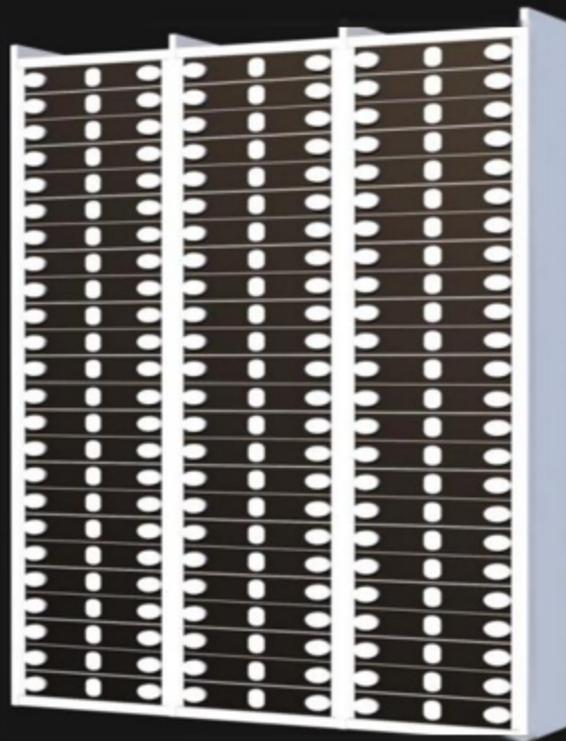
Reduce  
weight



Reduce  
faults



Reduce  
Labor



## CONTACT US

There is still more models for choice  
And new design is on the way for launching

# AK POWER



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