

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

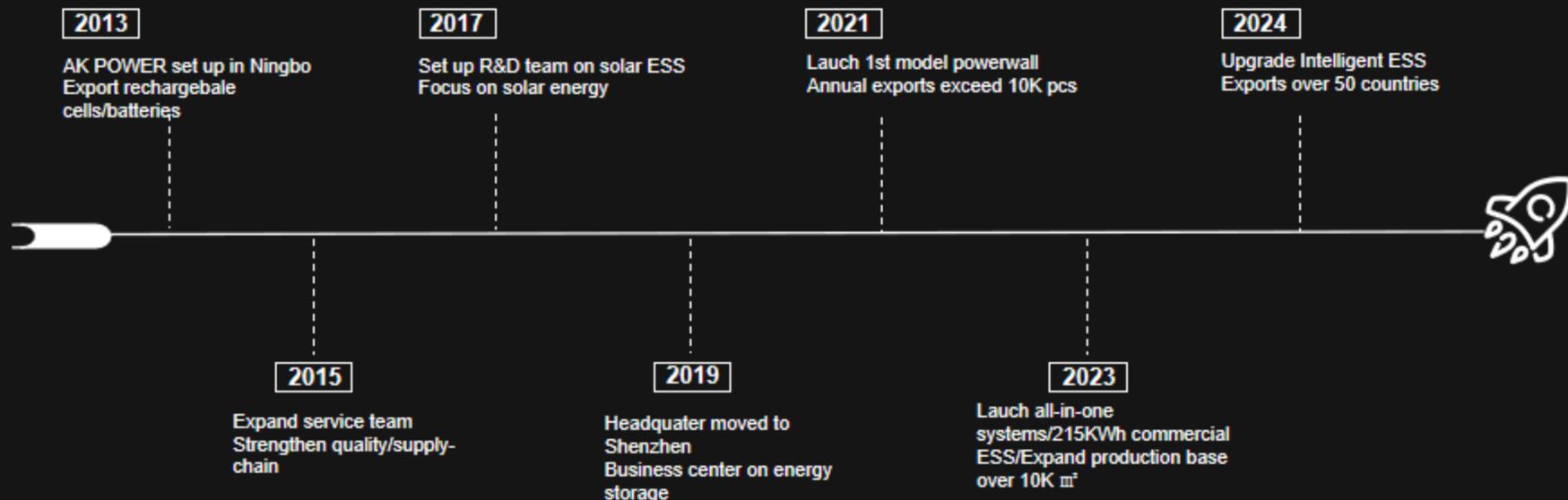
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# Development History

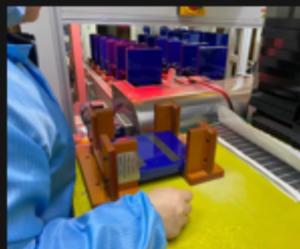
AK POWER has committed to renewable energy for a decade and will grow faster for clean future



# 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

## Commercial Energy Storage



Data Specifications				
Model	AE-E5517	AE-E55100	AE-E55200	AE-E55213
Rated Energy	37kWh	100kWh	200kWh	213kWh
Cooling Method	Air/Water Cooling			
Battery Parameters				
Rated Battery Capacity	280Ah	280Ah	280Ah	280Ah
Rated System Voltage	204.0V	208.4V	216.0V	208V
Battery Type	Lithium Iron Phosphate Battery (LFP)			
Cell Model	3.2V 280Ah	3.2V 280Ah	3.2V 280Ah	3.2V 280Ah
Connection Method	1P40S16S	1P20S16S	1P10S16S	1P10S16S
Voltage Range	172.8V-230.4V	202.4V-260.2V	212.0V-271.6V	208V-266V
Communication	RS485/CAN/Ethernet			
DC Parameters				
Max. PV Input Voltage	1000VDC			
Max. PV Power	36.72kW	60.120kW	120.240kW	240kW
MPP Quantity	1/2	2/4	4/8	4/8
MPP Voltage Range	200-850V			
MPP Max Voltage Range	400-850V			
AC Parameters (on grid)				
Rated AC Power	20kW	20kW	100kW	100kW
Max. AC Power	20kW	50kW	120kW	120kW
Nominal AC Current Rating	40A	72A	144A	144A
Rated AC Voltage	400V, 3P/3W, 50Hz			
Total Current Harmonic Distortion (THD)	<3% (Rated Power)			
Power Factor Adjustable Range	1 Ahead*1 Behind			
Grid Frequency	50/60Hz			
Isolation Transformer	100/400	200/400	270/400	270/400
AC Parameters (off grid)				
Rated Output Power	20kW	50kW	100kW	100kW
Rated AC Voltage	400V			
THD	linear<3%, non-linear<5%			
Rated Frequency	50/60Hz			
Over-loading Capability	100% long cycling			
General Parameters				
Protection Level	IP54			
Fire Protection System	Aerosols/perfluorobutane			
Temperature Control System	Industrial air conditioning/Cooling system			
Operating Temperature	-25~60°C (Derating Max: 45°C)			
Operating Humidity	0~95%			
Operating Altitude	≤3,000 meter			
Dimension (W*H*D)	2400*1100*2400mm	2400*1100*2400mm	2700*1100*2200mm	2700*1100*2400mm
Weight	about 900kg	about 1400kg	about 2700kg	about 2400kg
Certification				
Electric Safety	IEC/EN62109-1/2, IEC/EN 62477-1, IEC/EN 61000-6-2, IEC/EN 61000-6-4, CE, UN38.3			

# 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



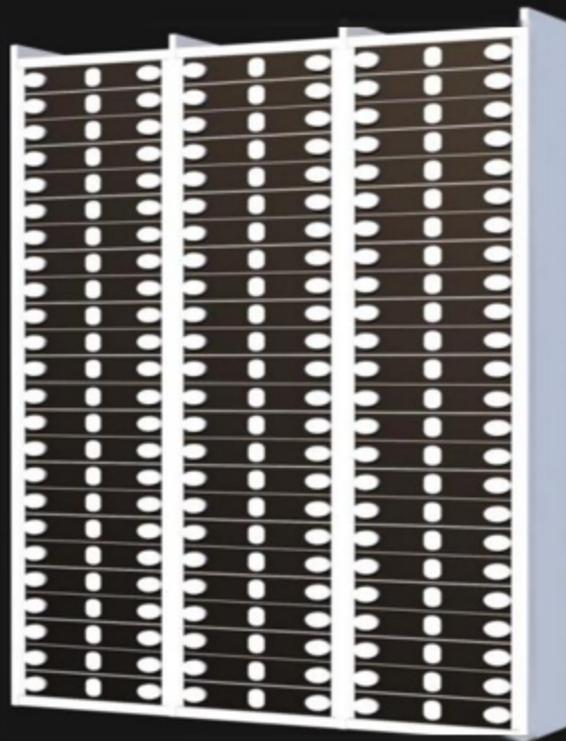
Reduce  
weight



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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