

Company Profile



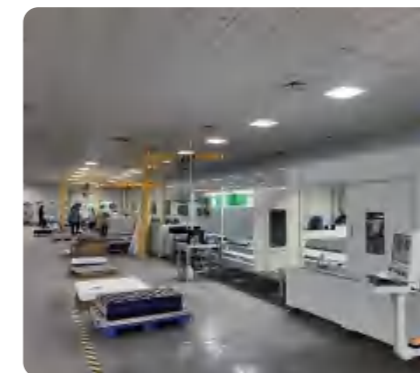
Hunan Allsparkpower Storage Technology Co., Ltd.

About us >>>

- Professional Energy Storage Lithium Battery Manufacturer
- Energy Storage Solution Provider
- Focus on solar energy storage systems

Our mission is helping the whole world with electricity and reducing carbon and environmental protection.

Let us Take Green Energy to All Families.

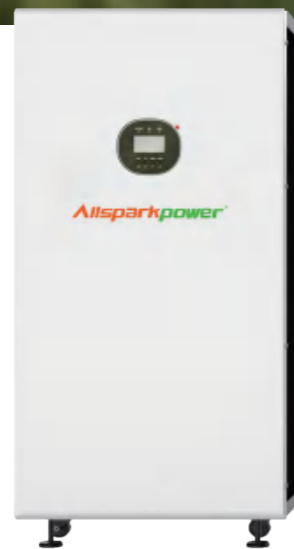


Home Energy Storage System

▼ All-In-One Home Energy Storage System



Load Power: 3kw/5kw
Storage Ability: 3.6kWh/4.8kWh



Load Power: 3kw/5kw
Storage Ability: 4.8kWh/9.6kWh



Load Power: 3kw/5kw
Storage Ability: 7.2kWh/9.6kWh/14.4kWh






Load Power: 5kw/8kw/10kw/12kw
Storage Ability: 19.2kWh





Features >>>

- Self-powered Home
- Home energy control, Energy saving
- Smart Home Control
- Backup Power
- New Energy' ECO & Low Carbon
- Excess Electricity Enables Transactions

Parameters



Parameter	Model	AP-3035	AP-3048	AP-3096
Pic				
Feed-in Type		Single		
Output Voltage		220 vac (charge and discharge)		
Storage Ability		3.6 kwh	4.8kwh	9.6kwh
Max Solar input		2.4kwp	2.4kwp	2.4kwp
PV Side Max. Input Voltage		145~400 VDC		
PV Charging Max Current (A)		60A/30A		
AC Charging Max Current (A)		16A/12A		
Continuous Output Power		3 kw	3 kw	3 kw
Peak power		4 kw (discharge only)	4 kw (discharge only)	4 kw (discharge only)
Weight		61 kg	72kg	130kg
Size (L*W*H)		560*390*660mm	560*390*660mm	550*340*1130mm
Ingress Rating		IP 20/54/65		
Warranty		10 years		

Model	AP-5072	AP-5096	AP-50144	AP-80192
Pic				
Feed-in Type		Single		Single/Split/Three Phases
Output Voltage		220 vac (charge and discharge)		120/208/240/230/400Vac
Storage Ability	7.2 kwh	9.6kwh	14.4kwh	19.2kwh
Max Solar input	4.5kwp	4.5kwp	4.5kwp	10.4 kw
PV Side Max. Input Voltage		145~400 VDC		370V (100V~500V)
PV Charging Max Current (A)		80A/50A		22A+22A
AC Charging Max Current (A)		50A/25A		36.7A / 38.5A
Continuous Output Power	5 kw	5 kw	5 kw	8kw
Peak power	7 kw (discharge only)	7 kw (discharge only)	7 kw (discharge only)	16 kw
Weight	120kg	138kg	178kg	306kg
Size (L*W*H)	550*340*1130mm	550*340*1130mm	550*410*1145mm	734*420*2008mm
Ingress Rating		IP 20/54/65		
Warranty		10 years		



Smart String Energy Storage System

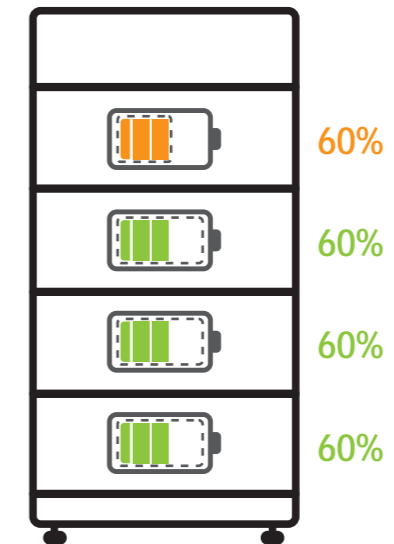


Feature >>>

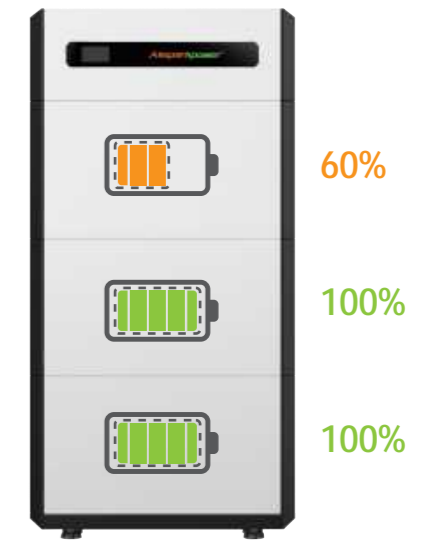


Energy optimizer to manage charge/discharge per module independently, supports new and old battery modules mixed in one system without a reduction in usable energy

Other Modular Battery



Allsparkpower®



SOH SOC



Mix and match as you wish

Battery capacity can be selected as you wish, and new and old batteries can be mixed.

Longer cycle life

Intelligent management of each set of batteries for better battery performance and longer lifespan.

High safety features for peace of mind

Multi-safety protection design, carefully take care of your safety.

Fast switching time

Flexible switching, no fear of power cuts, safeguard home power consumption.



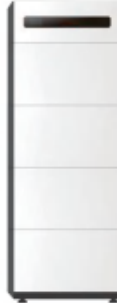


Max. 4 pieces parallel

Applications >>



Technical Indicators >>

System parameter			
System schematic			
Battery Type	LFP		
Battery Module	APB-10-P0	APB-15-P0	APB-20-P0
Number of battery modules	2	3	4
Battery nominal energy	10.24kWh	15.36kWh	20.48kWh
Rated capacity ^[1]	200Ah	300Ah	400Ah
Rated power	5kW	5kW	5kW
Rated voltage	51.2V	51.2V	51.2V
Voltage range	50-58V	50-58V	50-58V
Max Charge Current	100A	100A	100A
Max Discharge Current	100A	100A	100A
Battery module parameters			
Model	APB-5-V0		
Nominal energy	5.12kWh		
Rated voltage	51.2V		
Rated power	2.5kW		
Size	685*355*185mm		
Weight	50kg		
General parameters			
Display method	LCD		
Communication method	485,CAN		
Size	685*1700*185mm		
Weight	215kg		
Protection grade	IP65		
Cooling method	Natural cooling		
Work Temperature	Charge: 0°C~55°C,Discharge: -20°C~55°C		
Relative humidity range	5%-95%		
Installation method	Floor mounted		
Maximum working altitude	4000m		
Scalability	Up to 3 systems running in parallel		
Certification standards			
Authentication certificate	UN38.3,CE,IEC62619, UL1973,UL9540A etc.		

[1] Test conditions: Charged and discharged at 25°C and 0.2C magnification, depth of discharge 100% DOD

IP65 / IP67 Waterproof Special Power Supply



0 Free collocation,
high power load support

IP67 IP67 waterproof design, suitable for
various outdoor harsh application scenarios

👍 Made of aluminum alloy
and carbon fiber, durable
with high quality

🛡️ Industrial grade design



Parameters >>

Model	APO-5048
Design standard	Industrial Grade
Capacity	4800wh
Output voltage	230 V (AC) /50Hz
Rated output power	5 kw
Peak power	7 kw
Extra Battery	15 units
AC Output	2 /16A
USB-A Fast Charge	1 pcs
USB-C Output	1 pcs
AC Charging Input	Max 18A / 220V
Solar Charging Input	Max 4.5kwp
EV Charger	Support External (Optional)
Battery TYPE	LiFeP04
Charge duration	< 3 hours
Cycle Life	4000 cycles to 80%; 8000 cycles to 50%
Discharging operating temperature	- 10 °C~50°C / 14°F~122°F
Charging operating temperature	- 20 °C~60°C / 4°F~140°F
Warranty	10 years
Connection	WIFI/GPRS
IP Calss	IP 65 / 67
Noise emissions	<35 dBA at 30°C
Weight	70 kg
Dimensions	556 X 406 X 483mm



Applications >>

