SMART STRING ENERGY STORAGE SYSTEM

Battery-level protection | Electrical protection | Active protection | Emergency protection

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01 New and old battery mixable

- Individual optimization of each module
- Modules charge and discharge independenly
- Mixed use of old and new battery packs without loss

02 Perfect Compatibility

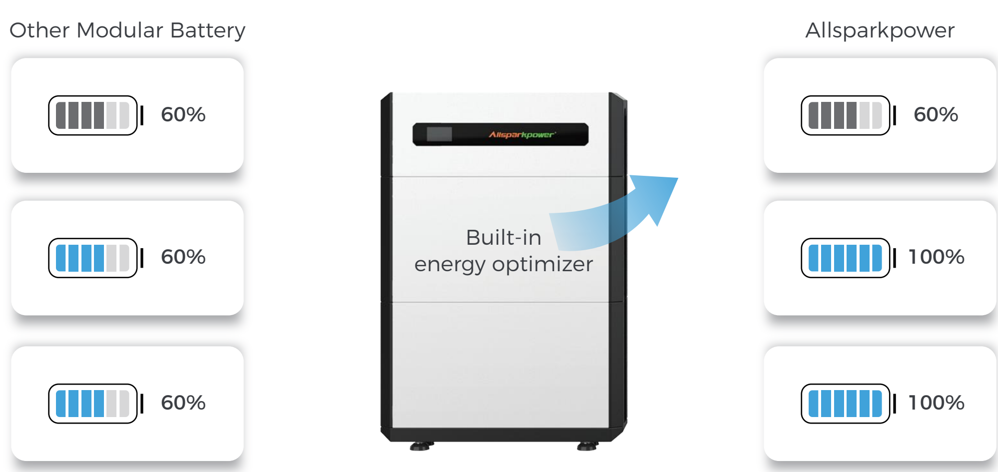
- Compatible with most famous brand inverters
- Including high-voltage 180V-600V
- Low voltage 51.2V

03 Flexible configuration

- 5kWh modular design
- Expandable from 5kWh-20kWh
- 3 systems in parallel up to 80kWh capacity
- Wall-mount and floor-stand (optional)

04 Safe & Reliable

- Smart fire protection module
- 4-layer protection from cell level to electrical level
- High security



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

BASIC PARAMETER

Modei	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
Size	685*990*185mm	685*1345*185mm	685*1700*185mm
Weight	109kg	162kg	215kg
Display method	LCD		
Communication method	485,CAN		
Protection grade	IP65		
Cooling method	Natural cooling		
Work Temperature	Charge：0℃~55℃,Discharge：-20℃~55℃		
Relative humidity range	5%~95%		
Installation method	Floor mounted		
Maximum working altitude	4000m		
Scalability	Up to 3 systems running in parallel		
Authentication certificate	UN38.3,CE,IEC62619, UL1973,UL9540A etc.		
Rated voltage	51.2V		
Voltage range	50-58V		
Max Charge Current	100A		
Max Discharge Current	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		

Test conditions: Chargedand discharged at 25°C and 0.2C magnification, depth of discharge 100% DOD