

5kW All-In-One Energy Storage System (Floor Mounted Style)



Features:

Highly Integrated

- Solar Hybrid Inverter + MPPT Charging Controller + 5kWh 51.2V100Ah LiFePO₄ Battery Modules

Scalability

- Expandable Capacity from 1 to 3 Modules (5kWh, 10kWh, 15kWh)

Power Output

- Single-phase, Pure Sine Wave, AC 230V/120V (optional), 50Hz/60Hz (auto-detected)

Market Compatibility

- Suitable for Global Markets

Application:



**Solar
Energy Storage**



**On/off
Peak Hours Electricity**

Technical Specifications:

Item		AP-ESS-5K-5K-A2	AP-ESS-5K-10K-A2	AP-ESS-5K-15K-A2
Battery	Battery Module Quantity	1pc	2pcs	3pcs
	Battery Energy	5.12kWh	10.24kWh	15.36kWh
	Battery Capacity	100Ah	200Ah	300Ah
	Weight	83kg	135kg	187kg
	Dimensions (L*W*H)	600*165*920mm	600*165*1340mm	600*165*1760mm
	Cell Chemistry	LiFePO ₄		
	Battery Rated Voltage	51.2V		
	Battery Working Voltage Range	44.8~57.6V		
	Maximum Charging Current	100A		
	Maximum Discharging Current	100A		
	Designed Life-span	6000 Cycles at 80%DoD		
Pv Charge	Parallel Quantity	Maximum 3 Modules		
	Designed Life-span	10 Years		
	Solar Charge Type	MPPT		
	Maximum Output Power	5kW		
	PV Charging Current Range	0~80A		
	PV Operating Voltage Range	120~500V		
	MPPT Voltage Range	120~450V		
Ac Charge	Maximum Charge Power	3150W		
	AC Charging Current Range	0~60A(230V Inverter); 0~40A(120V Inverter)		
	Rated input Voltage	220/230Vac(230V Inverter); 110/120Vac(120V Inverter)		
	Input Voltage Range	170~280Vac(230VINVERTER); 90~140Vac(120V INVERTER)		
AC OUTPUT	Rated Output Power	5kW		
	Rated Output Current	30A(230VINVERTER); 42A(120V INVERTER)		
	Output Voltage Range	220V/230V(230V INVERTER); 110V120V(120VINVERTER);		
	50Hz160Hz (Automatically) Overload Current	35A(230VINVERTER); 45A(120V INVERTER)		