

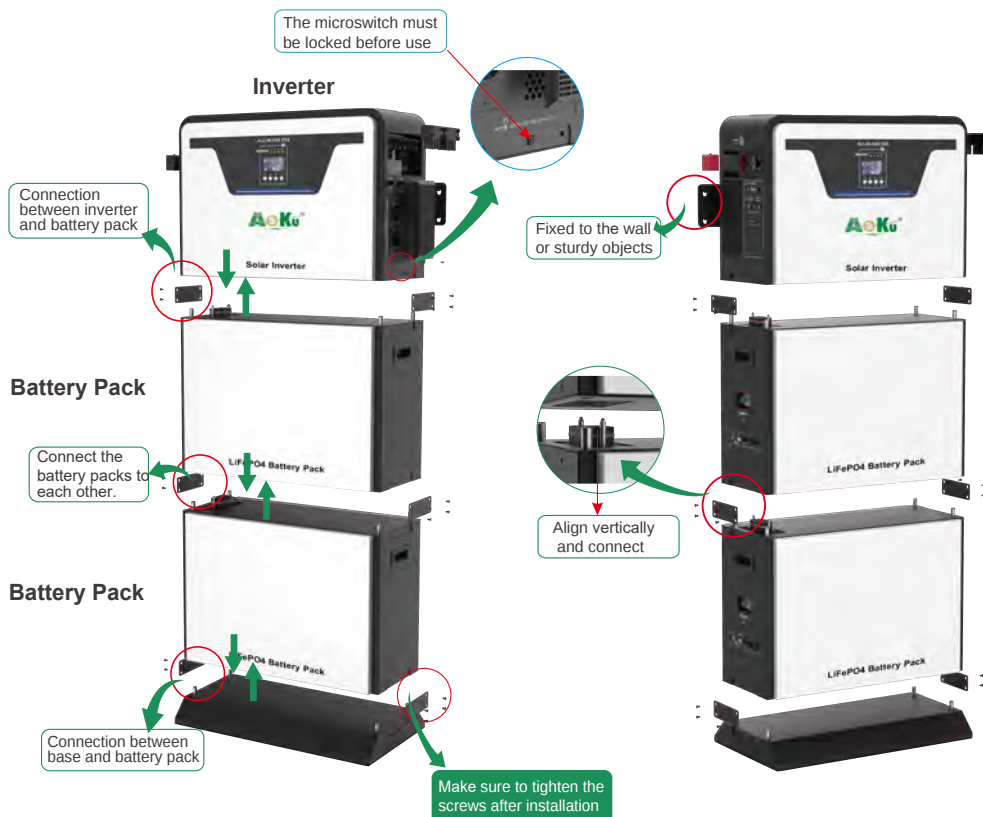


Stacked All In One Energy Storage System (ESS) Home Energy Solution

▼ Main Features

- Elegant and stylish floor-standing design.
- Hybrid inverter with built-in batteries and MPPT solar charge controller.
- Selectable priority among solar, battery, and mains for output supply.
- Wide selectable mains input voltage range.
- Protection against over-discharge, overload, over-temperature, short circuit, etc.
- Supports RS485/CAN/SNMP/Wi-Fi/Bluetooth monitoring.
- Long lifespan: 10+ years design life.
- Stackable design for easy inverter maintenance and battery capacity expansion.

▼ Installation



MODEL	AKESS Pro-	1.2kW+4kWh	3.6kW+8kWh	6kW+10kWh	11kW+16kWh
Rated Capacity		1.2kW/4kWh	3.6kW/8kWh	6kW/10kWh	11kW/16kWh
AC Input					
Rated input voltage	208/220/230/240VAC				
Voltage Range	170~264VAC(For ups mode); 90~280VAC(For Home Appliances)				
Frequency Range	40~70Hz(Auto sensing)				
AC Charging Current Range	2~60A	2~100A	2~120A	2~120A	
Max. Input Current	10A	20A	26A	50A	
PV Input					
Solar Charging Type	MPPT				
PV Max. Input Power	1000W	5000W	9000W	5500W*2	
MPPT Tracking Voltage Range	20~100 VDC	40~450VDC			60~500 VDC
Max. PV Input Voltage	125VDC	500 VDC			
PV Charging Current Range	2~60A	2~100A	2~100A	2~160A	
Max. Charging Current	120A	100A	120A	160A	
Output					
Rated Output Power	1.2kw	3.6kw	6.0kW	11kW	
Rated Output Voltage	(220V~240V) ± 5%				
Output frequency	50/60Hz ± 0.1%				
Peak Power	2400W	7200W	12000W	11000W*2	
Overload Capacity(Battery Mode)	1min@ 102%~110% Load 3s@ 130%~150% Load		10s@ 110%~130%Load 200ms@> 150% Load		5.5s@ ≥ 140% load 10.5s@100%~ 140% Load
Peak Efficiency (Battery Mode)	>94% battery mode >99% line mode				
Transfer Time	10ms				
Dual output function	/	yes	yes	yes	
Max.main output power	/	3600VA/3600W	6000VA/6000W	11.0KVA/11.0KW	
Max.second output power	/	3600VA/3600W(Needs to be set)	6000VA/6000W(Needs to be set)	5.5KVA/5.5KW	
Battery					
Battery Energy	4.02kWh	8.04kWh	10.24kWh	16.08kWh	
Battery Voltage	12.8Vdc	25.6Vdc	51.2Vdc		
Cell Technology	LiFePO4				
Fully charging voltage (FC)	14.6Vdc	29.2Vdc	58.4 Vdc		
Fully discharging voltage (FC)	10.4Vdc	20.8Vdc	41.6 Vdc		
DOD	80%				
Product General Data					
Designed lifespan	10+ years life design				
Communication Interface	RS232(Optional), RS485, CAN(Standard),SNMP/Wifi/Bluetooth(Optional)				
Display	LED & LCD				
Parallel Interface	RS485 & CAN				
Operation Environment Temperature	0~40 ℃				
Storage Environment Temperature	-15~60 ℃				
Environment Humidity	20%~95%				
Operation Altitude	<3000m				
Cooling Mode	Active Cooling				
Noise Emission	<50db				
Physical					
Product Dimensions (mm)	W190*H193*D155	W415*H962*D361	W500*H1044*D361	W550*H1274*D361	
Product Weight(kg)	38	96	115	156	

Product specifications are subject to change without notice.