



## YOLANESS RS-S series battery

YOLANESS RS-S series battery packs are stack type residential lithium batteries, designed entirely for residential ESS applications. With our battery technology, you can easily combine it with a mainstream inverter in different scenario to save your electrical bill & back-up your power during grid outage or unavailable.

### Features



#### Safety

Safer lithium iron phosphate, designed to comply with IEC, UL standards.



#### Convenient installation

The installation can be completed by simple stacking.



#### Scalability

10.24 KWh ~ 20.48 KWh can be extended.



#### Wide compatibility

Compatible with multiple brands of mainstream inverter use.



#### Long-lasting

15 years life design.  
Long cycle life and superior performance.



#### WiFi optional

WiFi configuration is optional.

### Parameters

Items	RS-S20550A	RS-S30750A	RS-S41050A
Number of battery modules	2	3	4
Manage battery energy	10.24kWh	15.36kWh	20.48kWh
Nominal voltage	204.8V	307.2V	409.6V
Operation voltage range	185.6V~233.6V	278.4V~350.4V	371.2V~467.2V
Manage battery capacity	50Ah		
Max. charge current	50A		
Max. discharge current	50A		
Communication to inverter	CAN / RS485		
Wifi	Support		
Display	LED indicator ,SOC status indicator		
IP rating	IP55		
Cycle life	6000 Cycles @25°C @70%EOL @0.2C charge & 0.5C discharge, 90% DOD		
Battery module weight	~60kg (132.2lb)		
Module dimension(L*W*H)	630*440*590 mm (24.8*17.3*23.2 inch)	630*440*745 mm (24.8*17.3*29.3 inch)	630*440*900 mm (24.8*17.3*35.4 inch)
Cell type	LFP - Lithium iron phosphate (LiFePO4)		
Design life	15 years (25°C/77°F)		
Charge temp. range	0~50°C (32~122°F)		
Discharge temp. range	-10~50°C (14~122°F)		
Operating temperature	Charge:0~50°C (32~122°F) Discharge: -10~55°C (14~122°F)		
Relative humidity	5%~95%		
Install altitude	≤4000mt		
Compatible inverters	SMA/FRONIUS/Goodwe/Solis/Growatt/Lux power SAJ		
Certification	CE/ IEC62619 / UL1973 / UL9540A / UN38.3		

1. Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.

2. Charge/discharge derating occurs when the operating temperature from -20°C to 5°C & 45°C to 55°C.

3. The maximum charge and discharge is 1C, the maximum requested charge and discharge current size according to the agreement when connected to the inverter.

