

# Residential ESS G2

## Single-phase Low-voltage

### FAIRY-SL5



#### Integrated design

- Home style, fashionable appearance
- Plug and play interface, quick installation
- Stackable battery packs, flexible capacity extension



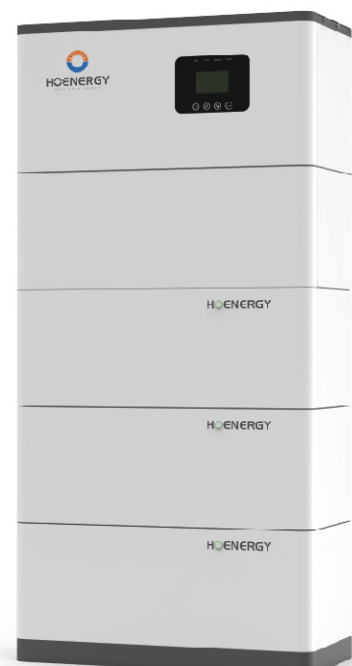
#### High performance battery

- LiFePO4 prismatic battery cell, safe and reliable
- 24 hours backup to ensure power supply without outage
- 5.12kWh per pack, scalable to 6 packs maximum 30.72kWh



#### Energy savings & Eco-friendly

- Clean energy generation for self-use and reduce carbon emissions
- Charge in daytime and discharge at night peak hours, reduce electricity bill cost
- APP monitoring, manage and control household energy in real-time



# Data Sheet

ESS Model No.	FAIRY-SL5				
Rated output power	5000VA				
Max. PV input power	10000W				
Energy storage capacity	10.2kWh~30.7kWh				
Battery type	LiFePO4				
Warranty	5 years				
<b>Inverter Specifications</b>					
<b>PV Input</b>			<b>AC Output</b>		
Hybrid model No.	FAIRY-HB1-5L		Rated output current	21.7A	
Max. input voltage	550V		Rated output voltage	230VAC	
Rated input voltage/MPPT range	360V/125~530V		AC voltage range	230VAC ±10%	
MPPT tracker/strings	2/1		Grid frequency	50/60Hz	
Max. input current	14A/14A		THDi	< 3 % (at rated power)	
Short-circuit max. input current	17.5A/17.5A		Power Factor	> 0.99 (at rated power)	
<b>Matched Battery Requirements</b>			<b>General Specifications</b>		
Battery type	LiFePO4 or Lead-acid		Max. efficiency	97.5%	
Voltage range	40~60V		Ingress protection rating	IP54	
Max. charge/discharge current	50A		Cooling method	Natural cooling	
<b>Emergency Power Supply (EPS)</b>			Noise level	< 35dB	
Rated output power	2500W		Display	LCD	
Rated output voltage	220/230V		Communication	RS485, CAN, Ethernet, Wi-Fi (Optional)	
Rated output frequency	50/60Hz		Dimensions (W×D×H)	678×310×574 mm	
Rated output current	13A		Weight	43kg	
<b>Battery Specifications</b>					
Stackable capacity	10.24kWh	15.36kWh	20.48kWh	25.60kWh	30.72kWh
Battery quantity	2 pcs	3 pcs	4 pcs	5 pcs	6 pcs
Dimensions (L×W×H mm)	678×310×551	678×310×802	678×310×1053	678×310×1304	678×310×1555
Stackable weight	121kg	176kg	231kg	286kg	341kg
Battery model No.	iBAT-R-5.12L		Weight	55kg	
Nominal capacity	5.12kWh		Dimensions (L×W×H)	678×310×251mm	
Cell capacity	100Ah		Communication	CAN, 485	
Depth of discharge (DOD)	93% (settable)		Working temperature	-10°C~55°C	
Rated voltage	51.2V		Protection rating	IP65	
Voltage range	43.2~57.6V		Cycle life	≥6000 <sup>[1]</sup>	
Continuous charge/discharge current <sup>[2]</sup>	50A		Max. charge/discharge current <sup>[2]</sup>	100A	
Standard conformity	CE, UN38.3, SDS, IEC62619				

[1] Test conditions: temperature 25±2°C, charge & discharge current 0.5C/0.5C, 70%EOL≥6000

[2] The current is affected by temperature and SOC.

Contact us:

Shanghai Hoenergy Power Technology Co.,Ltd

Tel: +86 152 2195 1952

Email: info@hoenergy.com.cn

Website: www.hoenergypower.com

