

FAIRLAND®

Micro Energy Storage System



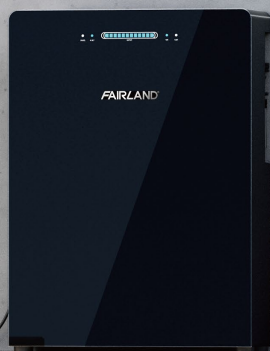
Unique Pad Design



2-Hour Full Charge



100% Free Power



Plug & Play Setup

DIY Installation with
Universal Compatibility

Dual-Source Input

Solar + Grid,
2400W Combined

Expandable Capacity

5.12 kWh (standalone)
Up to 20 kWh (4 units in parallel)

Extreme Climate Ready

-20°C Operation with
Built-in Heating

Fairland Micro Energy Storage System

Off-grid Output	
Rated Off-grid Output Power	2.4 kW
Maximum Off-grid Output Power	3.6 kW(10 S)
Rated Output Current	10.44 A
Rated Output Voltage	230 V
Rated Output Frequency	50 HZ
Efficiency	
Maximum Inverter Efficiency from Battery to Mains Power	>93.5%
Protection	
Protection Level	I
General Parameters	
Isolation Type	Isolation
Operating Temperature Range	-20 °C ± 60 °C
Relative Humidity	0~95%
Protection Level	IP65
Cooling Method	Natural Cooling
Maximum Altitude	2000m
Grid-Connection Standard	EN 50549-1/10、C10/11、VDE 4105、CEI 0-21
Regulations	IEC62109、IEC62477
Electromagnetic Compatibility	IEC/EN 61000
Dimensions (L × W × H)	446*180*568 mm
Weight	36±2 kg
Grid-Connected Connection	Single-phase plug
Display	LED
Communication Method	WIFI/Bluetooth/RS-485
Battery Information	
Rated Voltage	51.2 V
Battery Capacity	5120 Wh
Cycle Count	>6000(25 °C)
Cell Type	LiFePO ₄
Depth of Discharge	90%
Capacity	100Ah
Photovoltaic Input	
Rated Voltage Range (Vdc)	10-100
Maximum Input Voltage (Vdc)	100
Maximum Input Current (A)	16*2
Maximum Input Power (W)	1000*2
Mains Input	
Rated Power	2.4 kW
Grid Connection Type	L/N/PE
Rated Grid Voltage	230 V
Grid Voltage Range	184 V-253 V
Rated Grid Frequency	50 Hz
Rated Grid Current	10.44 A
Power Factor	>0.9
Current Harmonic	<3%
Grid Connection	
Rated Power	Default 0.8 kW / Maximum 2.4 kW
Grid Connection Type	L/N/PE
Rated Grid Voltage	230 V
Grid Voltage Range	184 V-253 V
Rated Grid Frequency	50 Hz
Rated Grid Current	Default 3.48 A / Maximum 10.44 A

Fairland Group Limited

19 / F ABCDE, China Energy Storage Building, No. 3099,
South Keyuan Road, Nanshan District, Shenzhen



Tel: 0086-755-26669924

Fax: 0086-20-87327767

E-mail: sales@fairlandgroup.com

Web: www.fairland.com.cn