



iGarden



Micro Solar Energy Storage System



**Plug-and-Play
Setup**



**Support AC-Coupled and
Backup Power Capability**



**Smart AI-Optimized
Self-Consumption**

2400 W Max On-Grid
Input & Output

6000 Cycles
Ultra-Long Lifespan

Expandable to 20.48 kWh
with up to 4 units in parallel

Specification Sheet

Model	PLUG 5120
Battery Info	
Rated capacity (Ah)	100
Rated voltage (V)	51.2
Rated capacity (Wh)	5120
Battery type	LiFePO ₄
Battery voltage range (V)	44.8-58.4
Maximum charging current (A)	60
Maximum discharging current (A)	60
Heating film	Support
Cycle times	≥6000
PV Input	
Operating voltage range (Vdc)	10-100
Maximum input voltage (Vdc)	100
Independent MPPT Inputs / Inputs per MPPT	2/1
Maximum input current (A)	16*2
Maximum input power (W)	1000*2
AC Input/Output (On Grid)	
Grid type	Single phase
Rated voltage (Vdc)	230
Rated AC frequency (Hz)	50
Maximum continuous output power (W)	800 (Default) / 2400 (*Premium)
Maximum continuous output current (A)	3.64 (Default) / 10.9 (*Premium)
Maximum continuous input power (W)	2400
Maximum continuous input current (A)	10.9
AC Output (Off Grid)	
Rated AC voltage (Vac)	230
Rated AC frequency (Hz)	50
Maximum continuous output power (W)	2400
Maximum continuous output current (A)	10.9
General	
Dimensions (mm)	520*181*715
Weight (kg)	59±2
Protection level	IP65
Allowed operating ambient temperature (°C)	-20~60
Relative humidity	5%~95%@No condensation
Altitude (m)	≤ 2000
Communication interface	WIFI, Bluetooth, RS485

*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

Fairland iGarden Co., Ltd.

301-308, Building 2, No.4 Hongming Road, Huangpu District, Guangzhou, Guangdong, P.R.China
 Tel: 0086-755- 26669924
 E-mail: sales@fairland.com.cn
 Web: www.fairlandgroup.com

Fairland iGarden, s.r.o.

Karla Engliše 3208/5, 150 00 Prague 5, Czech Republic
 Tel: +420 703 394 046
 E-mail: servis@fairlandigarden.cz
 Web: www.fairlandigarden.cz