

Certificate of Conformity

Certificate Number: CN-PVES-260164

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Fairland iGarden Co.,Ltd. 301-308, Building 2, No. 4 Hongming Road, Huangpu District,Guangzhou, Guangdong, P.R. China
Product:	Hybrid Grid Interactive Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	PLUG 5120, PLUG 2560
Brand Name<s>:	iGarden
Product Complies with:	C10/11: edition 2.3 of 17 October 2024 SPECIFIC TECHNICAL PRESCRIPTIONS REGARDING POWER-GENERATING PLANTS OPERATING IN PARALLEL TO THE DISTRIBUTION NETWORK Type approval for type A
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	260400204SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao

Date: 18 May 2026



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260164

Ratings & Principle Characteristics:

Model	PLUG 5120	PLUG 2560
PV input		
P _{pv} Max (W)	1000 x 2	
V _{max} PV (Vdc) (absolute Max.)	100	
I _{sc} PV (absolute Max.) (A)	20*2	
Number MPP trackers	2	
Number input strings	2	
Max. PV input current (A)	16A*2	
MPPT voltage range (Vdc)	10-100	
Battery (charge/discharge)		
Battery type	LiFePO4	LiFePO4
Battery Normal Voltage Range (Vdc)	51.2	51.2
Max charge/discharge Current(A)	60	60
Max charge/discharge Power(kW)	--	--
Rated Energy/Capacity(kWh/Ah)	5.12/100	2.56/50
AC Grid (input and output)		
Normal AC Voltage (Vac)	230	230
Frequency (Hz)	50	50
Normal AC Current (A)	3.48(Default)/10.44(*Premium)	3.48(Default)/10.44(*Premium)
Max. cont. input/output current (A)	10.9	10.9
Rated Power (kW)	0.8(Default)/2.4(*Premium)	0.8(Default)/2.4(*Premium)
Max. cont. input/output Power (kW)	2.4	2.4
Max. cont. Apparent input/output Power (kVA)	2.4	2.4
Power factor(adjustable)	-0.9~0.9	-0.9~0.9
AC Load output (stand-alone)		
Normal Voltage (Vac)	230	230
Frequency (Hz)	50	50
Nominal Current (A)	10.9	10.9
Max. cont. current (A)	10.9	10.9
Max. cont. Power (kW)	2.4	2.4
Rated Apparent Power (kVA)	2.4	2.4
Max. cont. Apparent Power (kVA)	2.4	2.4
Power factor	--	--
Others		
Ingress protection (IP)	IP65	
Protective class	Class I	
Temperature (°C)	-20°C to +55°C	
Inverter Isolation	Isolated	
Firmware version	V6.90(Software) V4.0(Hardware)	

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