

出厂检测报告 Inspection & Testing Report

产品型号 Product Model		见第二页	产品条码 Bar code	见第二页	
序号 No.	检测项目 Inspection items	技术要求 Technical Requirement	检测结果 Results		
			合格 Qualified	不合格 Unqualified	
1	外观 Appearance	机器表面无划痕、锈蚀、污渍；铭牌、标识清晰；警示标识文字明确完整，功能提示清晰、准确。 No scratch, rust or stain on outside surface; Nameplate is clear; Warning and Tips are complete and readable.	■	□	
2	绝缘强度 Insulation test	直流输入端和交流输出端对地施加2120V DC、无电弧、无击穿，泄漏电流小于10mA。 Apply 2120V DC voltage between DC input/AC output and earth, no arc and breakdown being detected, leakage current less than 10mA.	■	□	
3	绝缘阻抗测试 Insulation resistance test	直流输入端和交流输出端对地施加测试电压500V，绝缘阻抗 $\geq 1M\Omega$ ，测试合格。 Apply test voltage of 500V and insulation resistance $\geq 1M\Omega$, and the result is qualified.	■	□	
4	接地电阻 Earth continuity test	所有人体可接触金属部件与接地端子间电阻值小于0.1 Ω 。 The ground resistance of all exposed conducts or components should be less than 0.1 Ω .	■	□	
5	人机界面操作 Inverter keypad(integrated/external) operation	操作功能正常与说明书描述相符。 Operation of keypad is normal and consistent with user manual.	■	□	
6	人机界面显示 Inverter display	电流、电压、功率、频率、电能、时钟运行参数显示正常。 Displayed items such as current, voltage, power, energy, clock is clear and readable.	■	□	
7	并网电流谐波 Harmonic	额定功率下并网电流谐波（THD）<3%。 THD at the rated power	■	□	
8	功率因数 Power factor	额定功率下并网功率因数（PF）>0.99 PF at the rated power>0.99	■	□	
9	孤岛保护 Island protect	额定功率下并网运行时，在断开并网空开后，逆变器在0.2S内停止输出。 Inverter disconnects from the grid in 0.2S when AC supply is cut during inverter feed-in operation at rated power.	■	□	
10	通讯功能 Communication	RS485通讯通畅无间断。 RS485 communication smooth and without interrupt.	■	□	
11	欠压过压保护 Undervoltage and overvoltage protection	模拟电网电压上下波动，逆变器停止工作过电压值及逆变器停止工作欠电压值符合要求。 Simulate AC grid voltage fluctuation at inverter output, the trip value of over voltage and under voltage should meet requirement.	■	□	
12	欠频过频保护 Underfrequency and overfrequency protection	模拟电网频率上下波动，逆变器停止工作过频值及逆变器停止工作欠频值符合要求。 Simulate grid frequency fluctuation at inverter output, the trip value of over and under frequency should meet requirement.	■	□	
13	自动开关机 Auto power on/off	调整直流电源电压使其从低于逆变器的允许直流电压工作范围下限的电压处开始增加，当直流侧电压高于允许范围的下限时，逆变器应能自动开机，待逆变器工作稳定后，调节直流输入源是直流侧电压下降到低于允许范围的下限时，逆变器应能自动关机。 Increase DC input voltage to cross inverter's start voltage, the inverter can start automatically. After a while of stable operation, decrease input voltage to a value below the minimum operating value, the inverter should be able to stop automatically.	■	□	
14	软启动 Soft start	逆变器启动运行时，输出功率缓慢上升，输出电流无冲击。 The output power rises slowly and no surge current at output during startup.	■	□	
15	高温满载运行 Burn in test	运行环境温度45 $\pm 5^{\circ}C$ ，满载运行4小时无故障。 The operation temperature 45 $\pm 5^{\circ}C$, 4-hour non-fault operation with full load	■	□	
16	测试标准 Testing Standard	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-3:2007/A1:2011	■	□	
结论: PASS Conclusion:					
检验员: Checker:		日期: 2022-9-5 Date:		For and on behalf of Yangtze Solar Power Group Limited Signature: _____	

产品条码

序号	机型	产品条码	备注
1	iMars BG8KTR	F01229001007	
2	iMars BG8KTR	F01229001008	
3	iMars BG8KTR	F01229001009	
4	iMars BG8KTR	F01229001010	
5	iMars BG8KTR	F01229001011	
6	iMars BG8KTR	F01229001012	
7	iMars BG8KTR	F01229001013	
8	iMars BG8KTR	F01229001014	
9	iMars BG8KTR	F01229001015	
10	iMars BG8KTR	F01229001016	
11	iMars BG10KTR	F01229001017	
12	iMars BG10KTR	F01229001018	
13	iMars BG10KTR	F01229001019	
14	iMars BG10KTR	F01229001020	
15	iMars BG10KTR	F01229001021	
16	iMars BG10KTR	F01229001022	
17	iMars BG10KTR	F01229001023	
18	iMars BG10KTR	F01229001024	
19	iMars BG10KTR	F01229001025	
20	iMars BG10KTR	F01229001026	
21	XG100KTR	F01228016359	
22	XG100KTR	F01228016360	
23	XG100KTR	F01228016363	
24	XG100KTR	F01228016364	
25	XG100KTR	F01228016367	
26	XG100KTR	F01228016369	
27	XG100KTR	F01228016370	
28	XG100KTR	F01228016372	
29	XG100KTR	F01228016373	
30	XG100KTR	F01228016375	
31	XG100KTR	F01229000412	
32	XG100KTR	F01229000414	
33	XG100KTR	F01229000417	
34	XG100KTR	F01229000419	



For and on behalf of
Yangtze Solar Power Group Limited
Signature

Li Hua