



Ginlong Technologies Co., Ltd.

Final Test Report

Model: S6-GU3P350K06-EV-ND		Product: PV Grid Tied Inverter			
S/N:					
Test Parts	NO.	Test Item	Test Conditions	Judgment Basis	Test Result (P/F)
Safety Test	1	Hi-pot Test	2545Vdc (PV/Grid) to Ground 5090Vdc (PV/Grid) to RS485	No breakdown, arc or sparks	P
	2	Ground Resistance	32A	<0.1Ω	P
Performance and Protection Test	1	Comm. Test	Tested under rated power	The communication is normal	P
	2	Auto Power On/Off	Change DC input voltage above and below startup voltage	Automatically power on/off normally	P
	3	Standby Power Consumption	Measure standby power consumption when supplied by AC	<80W	P
	4	Rated Output Power	Tested under rated power	≤100%P _n	P
	5	Rated Output Current	Tested under rated power	≤100%I _n	P
	6	Conversion Efficiency	Tested under 40% rated power	≥98.5%	P
	7	PF	Tested under rated power	0.99~1	P
	8	THDi	Tested under rated power	<5%	P
	9	DCi	Tested under rated power	<0.5%I _n	P
	10	OVP, UVP, OFP, UFP	Set grid voltage and frequency beyond the protection range	Automatic Trip	P
Inspection	1	The quantity and quality of components used should meet the design requirements, and the layout and installation of components should comply with the requirements of the Finished Product Inspection Specifications;			P
	2	The paint or electroplating should be firm and smooth, without peeling, rust and cracks;			P
	3	The device panel should be flat, and the text and symbols should be clear, neat, standardized and correct;			P
	4	Signs, logos and markings should be complete and clear.			P
	5	Various switches should be easy to operate, flexible and reliable;			P
QC department: Date:					