

**Certificate No.:** SGS/200723

# CERTIFICATE OF SUITABILITY

This certificate is issued to confirm that **SGS Systems & Services Certification Pty Ltd** (Electrical Product Certification Services (EPCS) Australia) as accredited by JAS-ANZ in accordance with AS/NZS ISO/IEC 17065 has certified the equipment described herein. The design of the electrical equipment to which this certificate relates has been evaluated to the Standard(s) nominated and found to be electrically safe as defined in AS/NZS 3820 *Essential Safety Requirements for Electrical Equipment*. It is a requirement of ETT-SGS that all electrical equipment supplied under this certificate shall be identical to the article as certified.

## CERTIFICATE HOLDER

**Company Name:** Shenzhen SOFAR SOLAR Co., Ltd.  
**Address:** 401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen City, Guangdong Province, P.R. China

## CERTIFICATION DETAILS

**Certification Standard:** AS/NZS 4777.2:2015, AS 62040.1:2019 and IEC 62109-2:2011 with IEC 62109-1:2010  
**Conditions:** Nil  
**Authorised Marking:** SGS-200723-E  
**Certificate Issue Date:** 22 September 2020  
**Certificate Expiry Date:** 21 September 2025

## ELECTRICAL EQUIPMENT

**Description:** Hybrid Inverter  
**Firmware Version:** ARM Software Version: V2.00;  
MAIN DSP Software Version: D010136;  
Slave DSP Software Version: D010134  
SGS Tecnos test report No.: 2220-0288, issued on 16/09/2020  
**Test reports:** Shenzhen BALUN test report No.: BL-DG2060127-B01, issued on 02/07/2020  
Shenzhen BALUN test report No.: BL-DG2060127-B02, issued on 02/07/2020



**For and On Behalf of**  
**SGS Systems & Services Certification Pty Ltd**

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Trade Name	SOFAR SOLAR					
Model Number	HYD 5KTL-3PH	HYD 6KTL-3PH	HYD 8KTL-3PH	HYD 10KTL-3PH	HYD 15KTL-3PH	HYD 20KTL-3PH
<b>Battery Input Data</b>						
Battery Voltage Range				180V-800V		
Battery Voltage	200V~800V	240V~800V	320V~800V	200V~800V	300V~800V	400V~800V
Range for full load charging/discharging Power						
Nominal	5000W	6000W	8000W	10000W	15000W	20000W
Max. charging/discharging Current	25A			50A(25A/25A)		
<b>PV Input Data</b>						
Max. DC Voltage				1000V		
MPPT Voltage Range				180-960Vd.c.		
Full power MPPT Voltage Range	250V~850V	320V~850V	360V~850V	220V~850V	350V~850V	450V~850V
Max. Input Current	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A	25A/25A	25A/25A	25A/25A
Max. Short Current	15A/15A	15A/15A	15A/15A	30A/30A	30A/30A	30A/30A
<b>AC Output Data (On-grid)</b>						
Max. AC Output Current	8 A	10 A	13 A	16 A	24 A	32 A
Nominal Grid Voltage				3/N/PE, 230/400Vac		
Nominal Grid Frequency				50Hz		
AC Output Rated Power	5000W	6000W	8000W	10000W	15000W	20000W
Max AC Output Power	5500VA	6600VA	8800VA	11000VA	16500VA	22000VA
Power Factor	0.8 leading to 0.8 lagging					
<b>AC Output Data (Back-up)</b>						
Nominal Output Power	5000W	6000W	8000W	10000W	15000W	20000W
Max. Output Power	5500VA	6600VA	8800VA	11000VA	16500VA	22000VA
Max. Output Current	8A	10A	13A	16A	24A	32A
Nominal Grid Voltage				3/N/PE, 230/400Vac		
Nominal Grid Frequency				50Hz		
<b>General Data</b>						
Ambient Temperature	-30°C~60°C					
Ingress Protection	IP65					
Protective Class	Class I					



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 Member of the SGS Group (SGS SA)