ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

TÜV SÜD Product Service

Certificate

No. ESY 131542 0014 Rev. 00

Holder of Certificate: **TCL Photovoltaic Technology (Shenzhen) Co., Ltd.**
D301, Building A3
No.2533 Guanguang Road
Fenghuang Community, Fenghuang Street, Guangming District
518132 Shenzhen City, Guangdong Province
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid Inverter

Model(s): **SP-ARSH-6kW-G1, SP-ARSH-8kW-G1, SP-ARSH-10kW-G1**

Parameters: See next pages

Applicable standards: NTS V2.1:2021-07

This Certificate confirms the compliance with the above listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. It was issued according to TÜV SÜD Product Service certification program Photovoltaics and Grid Integration. For details see: www.tuvsud.com/ps-cert

Test report no.: 5040925003751-00

Date, 2025-12-17

(Zhengdong Ma)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Certification Body TÜV SÜD Product Service GmbH performed assessment of the products listed below:

Type of PGM to be installed	Battery storage systems of a hybrid PGM with photovoltaic, Type A
Test requirement	The certification complies with the requirements of the following documents： Technical standard for monitoring the compliance of power generating modules according to NTS V2.1:2021-07.
Manufacturer	TCL Photovoltaic Technology (Shenzhen) Co., Ltd. D301, Building A3, No.2533 Guanguang Road, Fenghuang Community, Fenghuang Street, Guangming District, 518132 Shenzhen City, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA
Model and Technical Data	See below
Software version	V1.00

Scope of assessment and results

Clause of NTS V2.1	Requirement	Type A	Assessment	
			Type	Result
5.1.	Power-frequency limited overfrequency regulation mode (MRPFL-O)	Yes	Test	Yes

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Parameters:

Models	SP-ARSH-6kW-G1	SP-ARSH-8kW-G1	SP-ARSH-10kW-G1
PV INPUT			
Max. PV input power	12000 W	16000 W	20000 W
Max. input voltage	DC 600 V		
MPPT voltage range	DC 50 V, …, 560 V		
Max. input current	DC 16 × 2 A	DC 16 × 4 A	
Isc PV	DC 22 × 2 A	DC 22 × 4 A	
BATTERY			
Battery type	LFP		
Battery Voltage Range	DC 80 V, …, 500 V		
Max. Charge/ Discharge Current	DC 50 A		
AC GRID			
Nominal voltage	1/N/PE ~ 230 V		
Nominal frequency	50 Hz		
Nominal output power	6000 W	8000 W	10000 W
Max. cont. apparent output power	6000 VA	8000 VA	10000 VA
Max. cont. output current	AC 26.1 A	AC 34.8 A	AC 43.5 A
Max. cont. apparent input power	12000 VA	14490 VA	
Max. cont. input current	AC 52.2 A	AC 63 A	
Power factor	1(-0.8, …, +0.8 adjustable)		

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