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Certificate

of Conformity

This certifies that below described product(s) of the company:

TCL Digital Power Co., Ltd.
Room 50103, Building A5, No. 1, Chuangzhi Third Street,
No. 1 & 3 Qinghui Middle Road, Nansha District,
Guangzhou, China

comply to the essential requirements of the following standards

Manufacturer and factory(-ies):	See Annex 1
Trademark:	See Annex 1
Description of product(s) (details see Annex 2):	**Commercial & Industrial Energy Storage System**
Certification program:	P31-VA-01 Rev. 03 / 02.25 Certification scheme: Type 1a according to ISO/IEC 17067
Certification fundamental(s):	EN 62109-1:2010; EN 62109-2:2011

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of TÜV NORD CERT GmbH.
The company may use this certificate as a basis of compliance with 2014/35/EU - low voltage directive, together with EU declaration of conformity (DoC) issued by the company. The CE marking may be affixed on the product if all relevant and effective directives and requirements are complied with, under full responsibility of the company.

Registration no.:	44 799 26 406749 - 030
Report no.:	492014183.001
File no.:	PVP09065/25E-002

Essen, 2026-01-21

Certification Body - Energy Storage Systems

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.de | prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

Visit our database to verify the validity of this certificate.

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Annex 1

to certificate registration no. 44 799 26 406749 - 030

Manufacturer:

TCL Digital Power Co., Ltd.
Room 50103, Building A5, No. 1, Chuangzhi Third Street, No. 1 & 3 Qinghui Middle Road, Nansha District, Guangzhou, China

Trademark:

TCL

Factory:

GUANGDONG VICTPOWER NEW ENERGY CO., LTD.
China Victpower Technology Park, No.10 Weigang Road, Zhongkai High-tech Zone, Huizhou city, Guangdong province, China

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Annex 2

to certificate registration no. 44 799 26 406749 - 030

Description of product(s):

Model or Type designation	BlueArk X5-29.9k-60	BlueArk X5-29.9k-100	BlueArk X5-30k-60	BlueArk X5-30k-100	BlueArk X5-50k-100
PV parameter:					
Max. PV Voltage [Vd.c.]	1000				
MPPT Voltage Range [Vd.c.]	180-850				
Max. PV Input Current [Ad.c.]	4*45				6*45
Isc [Ad.c.]	4*55				6*55
Battery parameter:					
Nominal. Voltage [Vd.c.]	192	320	192	320	320
Voltage Range [Vd.c.]	165-213	275-355	165-213	275-355	275-355
Rated Capacity [Ah]	314				
Rated Energy [kWh]	60	100	60	100	100
Rated Charging/ Discharging Current [Ad.c.]	157				
Max. Charging/ Discharging Current [Ad.c.]	179				
AC parameter:					
Max. Input Current [Aa.c.]	80				200
Rated output power [W]	29900		30000		50000
Max. Apparent power [VA]	29900		33000		55000
Max. Output Current [Aa.c.]	43.3		47.9		79.8
Rate Voltage [Va.c.]	3/N/PE, 3/PE 400Vac				
Rate Frequency [Hz]	50/60				

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Annex 2

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Power Factor Range	-0.8 ~ 0.8		
Load parameter:			
Max. Output Apparent Power [VA]	29900	33000	55000
Max. Output Current [Aa.c.]	43.3	47.9	79.8
Rate Voltage [Va.c.]	3/N/PE, 3/PE 400Vac		
Rate Frequency [Hz]	50/60		
Power Factor Range	-0.8 ~ 0.8		
GEN input parameter:			
Rate Voltage [Va.c.]	3/N/PE, 3/PE 400Vac		
Rate Frequency [Hz]	50/60		
Max. Output Current [Aa.c.]	200		
System:			
Ingress protection	IP55		
Protective class	I		
Operating temperature range	-30°C ~50°C		
Charging temperature range	5°C ~50°C		
Discharging temperature range	-10°C ~50°C		
Overvoltage Category	II (DC), III(AC)		
Software Version	0.5.0.13.7		

Remark:
For detailed product information, please refer to CDF (Constructional Data Form) in the associated report.

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