



Product Service

Compliance Document

No. D 076777 0094 Rev. 00

Holder of Certificate: **Shenzhen Sinexcel Electric Co., Ltd**
Building 6, BaiWangXin
High-tech Industrial Park, Nanshan District
518055 Shenzhen City
PEOPLE'S REPUBLIC OF CHINA

Product: **Energy Storage System**
Energy Storage System

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 5040923023601-00

Date, 2023-12-20

(Zhengdong Ma)

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT

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The following generators meet the requirements of CEI 0-21:2022/V1:2022		
Section A	Manufacturer	Shenzhen Sinexcel Electric Co., Ltd. Building 6, Baiwangxin High-tech Industrial Park, Nanshan District 518055 shenzhen City PEOPLE'S REPUBLIC OF CHINA
	Equipment type	Energy Storage System
	Brand	Sinexcel
	Number of phase	<input type="checkbox"/> Single phase <input checked="" type="checkbox"/> Three phase Frequency: 50Hz Voltage: a.c. 400V
	Primary energy used	<input type="checkbox"/> Solar <input checked="" type="checkbox"/> Storage <input type="checkbox"/> Wind <input type="checkbox"/> Hydroelectric <input type="checkbox"/> CHP <input type="checkbox"/> Other:
	Generator model	PWS2-30P-EX
	Rated power	30000 W / 33000 VA
	The generator:	<input checked="" type="checkbox"/> is suitable for installation in systems with an output power of more than 11.08 kW <input checked="" type="checkbox"/> is capable of limiting Idc to 0.5% of rated current <input checked="" type="checkbox"/> uses a DC-sensitive protection function <input type="checkbox"/> uses a transformer operating at mains frequency
Section B	Characteristics of the interface protection system	
	Manufacturer	Shenzhen Sinexcel Electric Co., Ltd.
	Model	PWS2-30P-EX
	Type	<input type="checkbox"/> Integrated <input checked="" type="checkbox"/> Not integrated
Section C	Characteristics of inverter(s)	
	Model of inverter	PWS2-30P-EX
	Manufacturer of inverter	Shenzhen Sinexcel Electric Co., Ltd.
	Firmware version	V1.14
	Rated power of inverter (P _{NINV})	30000 W
Section E	Characteristics of the Storage System (SdA)	
	Model	PWS2-30P-EX with battery system 8~12 pieces of M38210-SC-Rack-2P144S
	P _{sn} (nominal discharge power)	30000 W
	P _{cn} (nominal charging power)	30000 W
	P _{smax} (max. discharge power)	30000 W
	P _{cmax} (max. charging power)	30000 W
	Type	<input checked="" type="checkbox"/> Bidirectional <input type="checkbox"/> Monodirectional
	Batteries that can be used with the above inverters	
	Brand	AlphaESS

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	Technology	Li-Ion
	Models	M38210-SC-Rack-2P144S
	CUS module (kWh)	96.768 kWh
	BMS firmware version	V1.14
	Number of modules	8~12 pieces
	Note	Batteries are not contained in the inverter and should be installed according to local regulations and in accordance with instruction.
Section I	References of the laboratories that performed the tests and their test reports (RdP)	
	Selected method	<input checked="" type="checkbox"/> Tests performed under the supervision of a certification body
	Test Reports (RdP)	1) Test report according to Bbis: 5040923023601-00
	Issued by	Testing lab: 1) Manufacturer's laboratory Tests performed under supervision of certifier from TÜV SÜD Product Service GmbH
	Accreditation No.	D-ZE-11321-01-00
	Accreditation body reference.	DAKKS
Section M	Reference of the certification body	
	Certification Body	TÜV SÜD Product Service GmbH DAKKS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013