Sineng Electric Co., Ltd.
Address: No.6, Hehui Road,
Huishan Economic Development Zone, Wuxi, China
Postal code: 214174 Fax: 0510-85161899
Customer service hotline: 0510-88888118

Dichiarazione di conformità CEI-021

Tipo di dispositivo indicato nella dichiarazione					
Produttore	Sineng Electric Co., Ltd.6, Hehui Road, Huishan Economic Development Zone, Wuxi, Cina				
Tipo di dispositivo	Dispositivo di conversione statica				
Modello	SN25PT-X	SN30PT	SN33PT	SN36PT	SN40PT
Firmware	V000B050D001				
Numero di fasi	3/N/PE 230/400V, 50Hz				
Potenza nominale in kW	25kW	30kW	33kW	36kW	40kW
Corrente di cortocircuito (Icc [A])	70A	70A	70A	70A	70A
Potenza massima in termini di energia solare (kW)	37.5kW	45kW	49.5kW	54kW	60kW
Corrente nominale (In[A])	36.1A	43.3A	47.6A	52A	57.8A
Compatibilità dei sistemi di archiviazione	Non applicabile				

Nota:

Il dispositivo può limitare il ldC al 0,5% della corrente nominale.

L'inverter è adatto a sistemi di qualsiasi potenza.

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Riferimenti normativi e laboratori che hanno effettuato i test	
Standard e numero del certificato:	CEI 0-21:2022 CEI 0-21/V1:2022 CEI 0-21/V2:2024 **Numero del certificato: No. D 091566 0046 Rev. 01, data 2025-02-25** **Numero del rapporto: 704092230218-01, data: 2025-02-20**
Riferimento: ente di certificazione:	TÜV SÜD Product Service GmbH • Ridlerstraße 65 • 80339 Munich • Germany

Caratteristiche tecniche del DDI (Dispositivo per Interfaccia Diretta) *	
Brand	Hongfa
Modello	HF176F/12-HTF
Tipo	Rilevatore di trasmissione (Relay)
Numero	6
operazione interblocco	No
Standard di riferimento	CEI-021; CEI EN 61810-1

Il dispositivo è completamente integrato nell'inverter.

Caratteristiche tecniche del sistema SPI (System Interface Protection)		
Modelli	**SN25PT-X, SN30PT, SN33PT, SN36PT, SN40PT**	
Firmware	D S P: V000B050D001	A R M: V000B050D001

*** Il dispositivo è completamente integrato nell'inverter**

Nota:

Questa serie di inverter è progettata solo per impianti fotovoltaici e non supporta sistemi di accumulo a batteria.

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Dichiarazione di conformità alle normative:

CEI 0-21:2022, CEI 0-21/V1:2022, CEI 0-21/V2:2024

Con la presente dichiarazione, redatta ai sensi dell'articolo 47 DPR n. 445 del 28 dicembre 2000, consapevole delle responsabilità penali e delle sanzioni previste dall'articolo 76 del citato DPR per false attestazioni e dichiarazioni mendaci. Io, il firmatario Zhang Jian, passaporto n.EJ1323114, in qualità di Responsabile dei Prodotti all'estero della Sineng Electric Co., Ltd., con sede a Wuxi, n. 6, via Hehui, Zona di Sviluppo Economico di Huishan, Cina.

Dichiara

Che l'inverter di produzione propria specificato nel punto "Tipo di dispositivo a cui si riferisce la dichiarazione" è conforme ai requisiti stabiliti dalle seguenti norme **CEI 0-21:2022, CEI 0-21/V2:2024**

Wuxi, Cina, 11/03/2026

Sineng Electric Co., Ltd.

Responsabile dei prodotti all'estero

NOTA INFORMATIVA IN BASE ALL'ARTICOLO 13 DEL DECRETO LEGISLATIVO 196/2003: I dati sopra indicati sono forniti esclusivamente per l'uso previsto dal procedimento amministrativo per il quale sono stati richiesti ai sensi delle attuali norme giuridiche e possono essere utilizzati esclusivamente a tale scopo specifico.

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中华人民共和国外交部请各国军政机关对持照人予以通行的便利和必要的协助。

The Ministry of Foreign Affairs of the People's Republic of China requests all civil and military authorities of foreign countries to allow the bearer of this passport to pass freely and afford assistance in case of need.

中华人民共和国 PEOPLE'S REPUBLIC OF CHINA

护 照 PASSPORT

类型/Type P

国家码/Country Code CHN

护照号码/Passport No. EJ1323114

姓名/Name 张 健 ZHANG, JIAN

性别/Sex 男/M

国籍/Nationality 中国/CHINESE

出生日期/Date of birth 27 DEC 1990

出生地点/Place of birth 安徽/ANHUI

签发日期/Date of issue 10 1月/JAN 2020

签发地点/Place of issue 江苏/JIANGSU

有效期至/Date of expiry 09 1月/JAN 2030

签发机关/Authority 中华人民共和国国家移民管理局 National Immigration Administration,PRC

持照人签名/Bearer's signature 张健

1838258553

POCHNZHANG<<JIAN<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

EJ13231140CHN9012271M3001097NFMFLNKB<<<<A990

Sineng Electric Co., Ltd.
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Customer service hotline: 0510-88888118

ATTESTATION ◆ ATTESTATO ◆ ATTESTACIÓN ◆ BESCHEINIGUNG ◆ ATTESTATION

Product Service

Compliance Document

No. D 091566 0046 Rev. 01

Holder of Certificate: **SINENG ELECTRIC CO.,LTD.**
No.6 Hehui Road, Huishan District
214174 Wuxi City
PEOPLE'S REPUBLIC OF CHINA

Product: **PV inverter**
Grid-connected PV Inverter

Model(s): **SN25PT-X, SN30PT, SN33PT, SN36PT, SN40PT**

Parameters: See next pages.

Tested according to: CEI 0-21:2022/V2:2024

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.: 704092230218-01

Date, 2025-02-25

(Zhengdong Ma)

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

Sineng Electric Co., Ltd.
Address: No.6, Hehui Road,
Huishan Economic Development Zone, Wuxi, China
Postal code: 214174 Fax: 0510-85161899
Customer service hotline: 0510-88888118

ATTESTATION ◆ ATTESTATO ◆ ATTESTACIÓN ◆ BESCHEINIGUNG ◆ ATTESTATION

Product Service

Compliance Document

No. D 091566 0046 Rev. 01

	The following generators meet the requirements of CEI 0-21:2022/V2:2024					
Section A	Manufacturer	Sineng Electric Co., Ltd. No.6 Hehui Road, Huishan District 214174 Wuxi City PEOPLE'S REPUBLIC OF CHINA				
	Equipment type	Grid-Connected PV Inverter				
	Brand	SINENG				
	Number of phase	☐ Single phase ☒ Three phase Frequency: 50 Hz Voltage: 3/N/PE~, 230/400 V				
	Primary energy used	☒ Solar ☐ Storage ☐ Wind ☐ Hydroelectric ☐ CHP ☐ Other:				
	Generator model	SN25PT-X	SN30PT	SN33PT	SN36PT	SN40PT
	Rated power	25 kW / 27.5 kVA	30 kW / 33 kVA	33 kW / 36 kVA	36 kW / 39.6 kVA	40 kW / 44 kVA
	The generator:	☒ is suitable for installation in systems with an output power of more than 11.08 kW ☒ is capable of limiting Idc to 0.5% of rated current ☒ uses a DC-sensitive protection function ☐ uses a transformer operating at mains frequency				
Section B	Characteristics of the interface protection system					
	Manufacturer	--				
	Model	--				
	Type	☐ Integrated ☒ Not integrated Remark: a dedicated device (protection relay) shall be installed for production plants with a total power exceeding 11.08 kW				
Section C	Characteristics of inverter(s)					
	Model of inverter	SN25PT-X	SN30PT	SN33PT	SN36PT	SN40PT
	Manufacturer of inverter	Sineng Electric Co., Ltd.				
	Firmware version	V000B050D001				
	Rated power of inverter (P_{inv})	25 kW	30 kW	33 kW	36 kW	40 kW
Section I	References of the laboratories that performed the tests and their test reports (RdP)					
	Selected method	☒ Tests performed under the supervision of a certification body				
	Test Reports (RdP)	1) Test report according to Annex B: 704092230218-00, 704092230218-01				
	Issued by	Testing lab: 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				

Sineng Electric Co., Ltd.
Address: No.6, Hehui Road,
Huishan Economic Development Zone, Wuxi, China
Postal code: 214174 Fax: 0510-85161899
Customer service hotline: 0510-88888118

Product Service

TEST REPORT

CEI 0-21:2022+CEI 0-21/V1:2022+CEI 0-21/V2:2024

TÜV SÜD Test Report for Reference technical rules for the connection of active and passive users to the LV electrical Utilities

Report No.:	704092230218-01
Date of issue:	2025-02-20
Project handler:	Jialin Qian
Testing laboratory:	TÜV SÜD New Energy Vehicle Testing (Jiangsu) Co., Ltd.
Address:	Building A, No.15 Factory, Jintong International Industrial Park, No.8 Xihu Road, Wujin National Hi-tech Industrial Development Zone, Changzhou City, Jiangsu Province, P.R. China
Testing location:	Same as above.
Client:	Sineng Electric Co., Ltd.
Client number:	91566
Address:	No.6 Hehui Road, Huishan District 214174 Wuxi City PEOPLE'S REPUBLIC OF CHINA
Contact person:	Mr. Wu Yaping
Standard:	This TÜV SÜD test report form is based on the following requirements: CEI 0-21:2022+CEI 0-21/V1:2022+CEI 0-21/V2:2024
TRF number and revision:	TRF CEI 0-21:2022/V2:2024 Rev.02: 2024-04
eDoc_ID:	TRF CEI 0-21:2022/V2:2024 *rev.02/2024*
TRF originated by:	TÜV SÜD Product Service, Mr. Kai Zhao
Copyright blank test report:	This test report is based on the content of the standard (see above). The test report considered selected clauses of the a.m. standard(s) and experience gained with product testing. It was prepared by TÜV SÜD Product Service. TÜV SÜD Group takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.
General disclaimer:	This test report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.
Scheme:	☐ TÜV Mark ☐ without certification ☐ AoC/CoC for EU-Directive / EU-Regulation: ☐ GS Mark ☐ NRTL Mark ☒ other: Compliance Document
Non-standard test method:	☒ No ☐ Yes, see details under *Summary of testing*
National deviations:	N/A
Number of pages *(Report)*:	34
Number of pages *(Attachments)*:	Details see Attachment tabel.

Compiled by:	Jialin Qian	Approved by:	Jianyong L
(+ signature)		(+ signature)	

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http://www.tuv-sud.cn

TÜV SÜD New Energy Vehicle Testing (Jiangsu) Co., Ltd.,
TÜV SÜD Group
Building A, No.15 Factory, Jintong International Industrial Park, No.8 Xihu Road, Wujin National Hi-tech Industrial Development Zone, Changzhou City, Jiangsu Province, P.R. China

Sineng Electric Co., Ltd.
Address: No.6, Hehui Road,
Huishan Economic Development Zone, Wuxi, China
Postal code: 214174 Fax: 0510-85161899
Customer service hotline: 0510-88888118

Product Service

Test sample:	Engineering sample
Type of test object:	Grid-Connected PV Inverter
Trademark:	上能电气 SINENG
Model and/ or type reference:	SN25PT-X, SN30PT, SN33PT, SN36PT, SN40PT
Rating(s):	See rating labels.
Manufacturer:	Sineng Electric Co., Ltd.
Manufacturer number:	91566
Address:	No.6 Hehui Road, Huishan District 214174 Wuxi City PEOPLE'S REPUBLIC OF CHINA
Name and address of factory(ies)	
Factory name: Sineng Electric Co., Ltd.	
Address: No.6 Hehui Road, Huishan District 214174 Wuxi City PEOPLE'S REPUBLIC OF CHINA	
Sub-contractors / tests (clause):	N/A
Name:	N/A
Order description:	☐ Complete test according to TRF
	☐ Partial test according to manufacturer's specifications
	☐ Preliminary test
	☐ Spot check
	☒ Others: based on application
Date of order:	2025-01-21
Date of receipt of test item:	2025-01-21
Date(s) of performance of test:	2025-01-21 to 2025-02-20

Test item particulars:

Equipment mobility:	☐ movable ☐ hand-held ☐ stationary ☒ fixed ☐ transportable ☐ for building-in
Connection to the mains:	☐ pluggable equipment ☐ direct plug-in ☒ permanent connection ☐ for building-in
Environmental category:	☒ outdoor ☐ indoor unconditional ☐ indoor conditional
Over voltage category Mains:	☐ OVC I ☐ OVC II ☒ OVC III ☐ OVC IV
Over voltage category PV:	☐ OVC I ☒ OVC II ☐ OVC III ☐ OVC IV
Mains supply tolerance (%):	+10%...-15%
Tested for power systems:	TN-C-S
IT testing, phase-phase voltage (V):	- - -
Class of equipment:	☒ Class I ☐ Class II ☐ Class III ☐ Not classified
Mass of equipment (kg):	Max. 31kg

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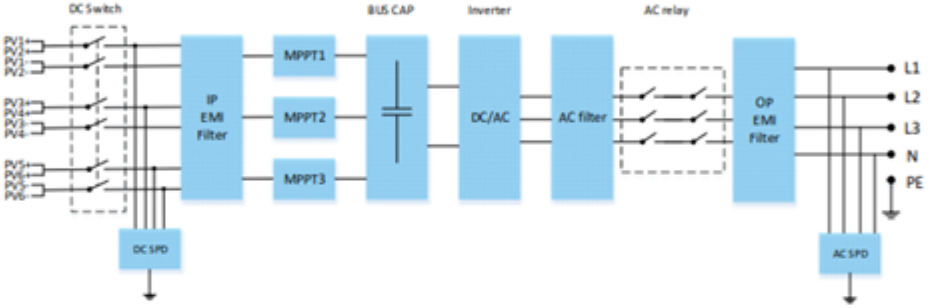
Product Service

Pollution degree	3 (external), 2 (internal)
IP protection class	IP66

Purpose of the product (description of intended use):

These devices are transformer-less grid-connected PV inverters which converts direct current optimized by photovoltaic DC conditioner to alternating current, and they are intended to be connected in parallel with the low-voltage mains to supply common load.
They are intended for professional incorporation into PV system, and they are assessed on a component test basis.



Typical application diagram

Model differences:
SN40PT: basic model.

SN25PT-X, SN30PT, SN33PT, SN36PT, SN40PT are the same family design products, that share the same control electronics, with the same firmware, with the same construction solutions including the power part, with the same number of phases, with power electronics, filters and transducers sized on different voltage and/or current sizes.

All family design inverters considered as Static Conversion Devices for plant power greater than 11.08 kW.

Characteristic data (not shown on the marking plate):

	The following generators meet the requirements of CEI 0-21:2022/V2:2024				
Section A	Manufacturer	Sineng Electric Co., Ltd. No.6 Hehui Road, Huishan District 214174 Wuxi City PEOPLE'S REPUBLIC OF CHINA			
	Equipment type	Grid-Connected PV Inverter			
	Brand	SINENG			
	Number of phase	☐ Single phase ☒ Three phase Frequency: 50 Hz Voltage: 3/N/PE~, 230/400 V			
	Primary energy used	☒ Solar ☐ Storage ☐ Wind ☐ Hydroelectric ☐ CHP ☐ Other:			
	Generator	SN25PT-X	SN30PT	SN33PT	SN36PT	SN40PT

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Product Service

	model					
	Rated power	25 kW / 27.5 kVA	30 kW / 33 kVA	33 kW / 36 kVA	36 kW / 39.6 kVA	40 kW / 44 kVA
	The generator:	☒ is suitable for installation in systems with an output power of more than 11.08 kW ☒ is capable of limiting Idc to 0.5% of rated current ☒ uses a DC-sensitive protection function ☐ uses a transformer operating at mains frequency				
Section B	Characteristics of the interface protection system					
	Manufacturer	--				
	Model	--				
	Type	☐ Integrated ☒ Not integrated Remark: a dedicated device (protection relay) shall be installed for production plants with a total power exceeding 11.08 kW				
Section C	Characteristics of inverter(s)					
	Model of inverter	SN25PT-X	SN30PT	SN33PT	SN36PT	SN40PT
	Manufacturer of inverter	Sineng Electric Co., Ltd.				
	Firmware version	V000B050D001				
	Rated power of inverter (P_{NINV})	25 kW	30 kW	33 kW	36 kW	40 kW
Section I	References of the laboratories that performed the tests and their test reports (RdP)					
	Selected method	☒ Tests performed under the supervision of a certification body				
	Test Reports (RdP)	1) Test report according to Annex B: 704092230218-00, 704092230218-01				
	Issued by	Testing lab: 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				

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Product Service

Attachments:

Item	Description	Certificate No. or Test report No.	Issued by	Model	Pages
1	CE-LVD certificate	AN 50569339 0001	TÜV Rheinland	SN25PT-X, SN30PT, SN33PT, SN36PT, SN40PT	1
2	CE-EMC certificate	AE 50571950 0001	TÜV Rheinland	SN25PT-X, SN30PT, SN33PT, SN36PT, SN40PT	1
3	Test report	704092230218 -00 (original)	TÜV SÜD	SN25PT-X, SN30PT, SN33PT, SN36PT, SN40PT	99

If additional information is necessary, please provide

N/A

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCB' s that own these marks.

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