

Compliance Document

No. D 091566 0050 Rev. 00

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

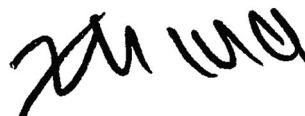
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Test report no.:

704092230214-00

Date,

2023-02-24



(Zhengdong Ma)

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The difference of interface protection system between models as followed:

- Integrated (SN25PT-X)
- Not integrated (SN30PT, SN33PT, SN36PT, SN40PT)

Remark: a dedicated device (protection relay) shall be installed for production plants with a total power exceeding 30 kVA.

The PV inverter is considered integrated with interface protection system with a limit of maximum power ≤ 30 kVA.

Integrated protection system settings

Parameters	Normative requirements		Internal threshold setting	
	Maximum clearance time	Trip limit	Maximum clearance time (factory setting)	Factory setting
Response to abnormal voltages	No delay	230 V + 15%	< 0.2s	264.5 V
	No delay	230 V - 20%	< 0.2s	184 V
Response to abnormal frequency	No delay	51.5 Hz	< 0.2s	51.5 Hz
	No delay	47.5 Hz	< 0.2s	47.5 Hz
Islanding protection	< 2s	Islanding detection according to IEC 62116	< 2 s	Islanding detection according to IEC 62116
Response to utility recovery	≥ 60	49.9 Hz – 50.1 Hz and 85% U_n – 110% U_n	60s	49.9 Hz – 50.1 Hz and 85% U_n – 110% U_n

Tested according to:

C10/11:2021