

Compatibility Declaration of FNN Hinweis

“Anschluss und Betrieb von
Speichern am Niederspannungsnetz 2020”

Dear Sir or Madam,

We **Slenergy Technology (A.H.) Co., Ltd.**

NO. 120 Yongyang Road, Chuzhou City, Anhui Province, China

declare under our sole responsibility that the product

Product	Hybrid Inverter
Inverter Model	SL-D4KTR-H25, SL-D5KTR-H25, SL-D6KTR-H25, SL-D8KTR-H25, SL-D10KTR-H25, SL-D12KTR-H25, SL-D10KTR-H40, SL-D12KTR-H40, SL-D15KTR-H40, SL-D20KTR-H40
Smart Meter Model	RMM-MA, ACR10RH

Comply with the following standard and hinweis:

- **VDE-AR-N 4105**
- **DIN VDE V 0124-100**
- **Section 4.10 and Section 4.11 in VDE FNN Hinweis**
-- **Anschluss und Betrieb von Speichern am Niederspannungsnetz (2020)**

Slenergy SL-D4~20KTR series inverter have obtained **VDE-AR-N 4105** and **DIN VDE V 0124-100** certificates.

These proofs are measured by a test laboratory accredited according to **DIN EN ISO/IEC 17025**.

These certificates are issued by certification bodies accredited according to **DIN EN ISO/IEC 17065**.

Slenergy smart meter can record the flow direction of electrical energy to meet the technical balance sheet requirements for storage system. Export limit function can ensure that in the case of legally subsidized generation plants(e.g. according to EEG or CHP-G),only the subsidized electricity is fed back into the public grid.

Slenergy SL-D4~20KTR series inverter in combination with the smart meter can fulfill the requirements set out in the FNN hinweis by hardware control. It meets the requirements for inverters in the three scenarios mentioned in FNN hinweis.The response of the hybrid inverter follows the following curve" **Abbildung 1: Wirkleistungs-Grenzkurve für die Funktion des EnFluRi-Sensors**".

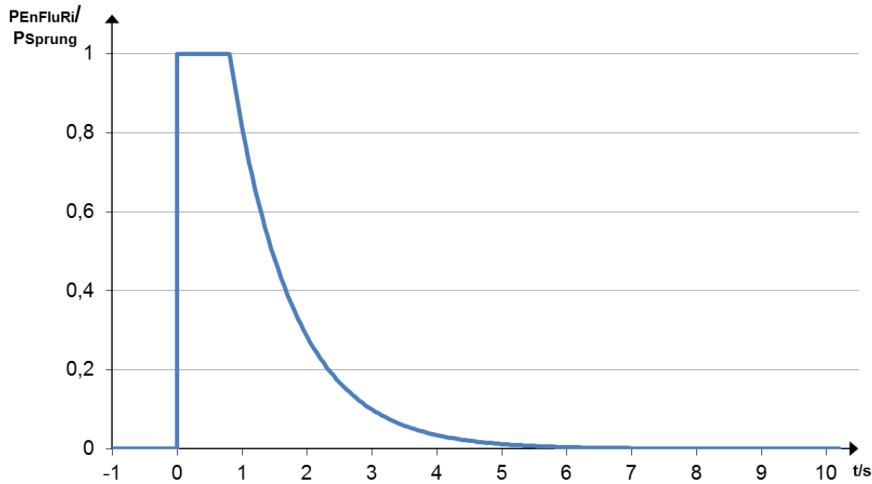


Abbildung 1: Wirkleistungs-Grenzkurve für die Funktion des EnFluRi-Sensors

Die Grenzkurve (Abbildung 1) folgt dabei folgendem prinzipiellen Verlauf:

$$P_{\text{EnFluRi}} = P_{\text{Sprung}} \cdot e^{-1,05 \cdot (t - 0,8)}$$

24. September 2023

Slenergy Technology (A.H.) Co., Ltd.



LIU LANG

Product Manager of systems technology