



Product Service

Compliance Document

No. D 120560 0014 Rev. 00

Holder of Certificate: **Slenergy Technology (A.H.) Co., Ltd.**
No. 120 Yongyang Road
239000 Chuzhou, Anhui
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(Hybrid Inverter with storage battery system)

Model(s): **Inverter models: SL-D3.68KTL-L50,**
SL-D5KTL-L100
Battery model: SL-BL-1-5

Parameters: See page 2

Tested according to: CEI 0-21:2022

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.: 64290233112501

Date, 2023-07-17

(Billy Qiu)

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Parameters:

Inverter model	SL-D3.68KTL-L50	SL-D5KTL-L100
PV terminal parameters		
Vmax. PV	580 Vd.c.	580 Vd.c.
MPPT Voltage Range	80 - 560 Vd.c.	80 - 560 Vd.c.
MPPT Voltage Range (full load)	165 - 520 Vd.c.	210 - 520 Vd.c.
Max. continuous PV input current	15 Ad.c.×2	15 Ad.c.×2
Isc PV	18 Ad.c.×2	18 Ad.c.×2
Max. continuous PV input power	4800 W	6500 W
Battery terminal parameter		
Battery type	LFP (LiFePO4)	LFP (LiFePO4)
Voltage range	40 - 60 Vd.c.	40 - 60 Vd.c.
Rated voltage	48 Vd.c.	48 Vd.c.
Maximum charge/discharge current	50 Ad.c./ 80 Ad.c.	100 Ad.c./ 100 Ad.c.
Maximum charge current from grid to battery	80 Ad.c.	100 Ad.c.
Maximum charge/discharge power	3000 W/ 4000 W	4600 W/ 5000 W
Maximum charge power from grid to battery	4000 W	5000 W
Grid terminal parameter		
Rated voltage	230 Va.c.	
Rated frequency	50 Hz	
Rated current output to Grid	16 Aa.c.	22 Aa.c.
Maximum continuous current output to Grid	16 Aa.c.	22 Aa.c.
Rated active power output to Grid	3680 W	5000 W
Maximum apparent power output to Grid	3680 VA	5000 VA
Maximum continuous current from Grid	32 Aa.c.	32 Aa.c.
Maximum apparent power from Grid	7360 VA	7360 VA
Power factor (Cos phi), adjustable	0.9 inductive to 0.9 capacitive	
General		
Operation temperature range	-20 °C to 60 °C	
Storage temperature range	-20 °C to 70 °C	

Battery model parameters see below pages:

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The following generators meet the requirements of CEI 0-21:2022			
Section A	Manufacturer	Slenergy Technology (A.H.) Co., Ltd. No. 120 Yongyang Road, 239000 Chuzhou, Anhui, PEOPLE'S RE-PUBLIC OF CHINA	
	Equipment type	Energy Storage Inverter with storage battery system	
	Brand	Slenergy Technology (A.H.) Co., Ltd.	
	Number of phase	<input checked="" type="checkbox"/> Single phase <input type="checkbox"/> Three phase Frequency: 50Hz Voltage: a.c. 230V	
	Primary energy used	<input checked="" 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	SL-D3.68KTL-L50	SL-D5KTL-L100
	Rated active power output to Grid	3680 W	5000 W
	Maximum apparent power output to Grid	3680 VA	5000 VA
	The generator:	<input 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 I_{dc} 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	Slenergy Technology (A.H.) Co., Ltd.	
	Model	SL-D3.68KTL-L50, SL-D5KTL-L100;	
	Type	<input checked="" type="checkbox"/> Integrated <input type="checkbox"/> Not integrated	
Section C	Characteristics of inverter(s)		
	Model of inverter	SL-D3.68KTL-L50	SL-D5KTL-L100
	Manufacturer of inverter	Slenergy Technology (A.H.) Co., Ltd.	
	Firmware version	DSP: V1.3.06, ARM: V1.3.08	
	Rated power of inverter (PNINV)	3680 W	5000 W

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Section E	Characteristics of the Storage System (SdA)		
	Inverter forming storage system		
	Inverter manufacturer	Slenergy Technology (A.H.) Co., Ltd.	
	Inverter model	SL-D3.68KTL-L50	SL-D3.68KTL-L50
	Battery forming storage system		
	Battery manufacturer	Slenergy Technology (A.H.) Co., Ltd.	
	Battery model	SL-BL-1-5	
	Capacity of battery[kWh]	15.36 (with 3× battery unit)	20.48 (with 4× battery unit)
	Remark: The Storage System parameters are referred to the report no: 64.290.20.30505.03		
	Type	<input checked="" type="checkbox"/> Bidirectional <input type="checkbox"/> Monodirectional	
	Batteries that can be used with the above static converters		
	Brand	Slenergy Technology (A.H.) Co., Ltd.	
	Technology	Li-Ion	
	Models	SL-BL-1-5	--
	CUS module (kWh)	5 (with 1*battery module)	--
	BMS firmware version	V1.8	
	Number of modules	1-4 pieces	--
Note	Batteries are not contained in the inverter and should be installed according to local regulations and in accordance with manufacturer's instruction.		
Section I	References of the laboratories that performed the tests and their test reports (RdP)		
	Selected method	<input checked="" type="checkbox"/> Tests performed by an accredited laboratory	
	Test Reports (RdP)	Test report according to Annex A and Annex Bbis: 64.290.23.31125.01	
	Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch	
	Accreditation No.	D-PL-19065-01-01	
	Accreditation body ref.	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	