



Product Service

Compliance Document

No. D 121007 0010 Rev. 00

Holder of Certificate: **Shanghai SIGEN New Energy Technology Co., Ltd.**

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PEOPLE'S REPUBLIC OF CHINA

Product: **Energy Storage System**
Grid interactive energy storage inverter

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.: 5040923022419-00

Date, 2023-09-29

(Zhengdong Ma)

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Model(s): SigenStor EC 3.0 SP, SigenStor EC 3.6 SP,
SigenStor AC 3.0 SP, SigenStor AC 3.6 SP

Parameters:

Sigen Energy Controller		
Model	SigenStor EC 3.0 SP	SigenStor EC 3.6 SP
PV input parameters		
Max. PV input voltage	DC 600 V	
MPPT voltage range	DC 50-550 V	
Max. input current	DC 16/16 A	
Isc PV	DC 20/20 A	
AC output parameters		
Rated active power	3.0 kW	3.68 kW
Max. apparent power	3.3 kVA	3.68 kVA
Rated frequency	50 Hz	
Rated voltage	AC 230 V	
Max. continuous current	AC 15 A	AC 16 A
Power factor	0.8 leading...1...0.8 lagging	
Battery input port parameters		
Battery voltage range	DC 300-600 V	
Battery Maximum Continuous Current	DC 12 A	

Sigen Storage Controller		
Model	SigenStor AC 3.0 SP	SigenStor AC 3.6 SP
Battery input port parameters		
Battery voltage range	DC 300-600 V	
Battery Maximum Continuous Current	DC 12 A	
AC output parameters		
Rated active power	3.0 kW	3.68 kW
Max. apparent power	3.3 kVA	3.68 kVA
Rated frequency	50 Hz	
Rated voltage	AC 230 V	
Max. continuous current	AC 15 A	AC 16 A
Power factor	0.8 leading...1...0.8 lagging	



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Protection settings (Manufacturer default settings)

Protection function	Trip setting	Time Delay Setting
U/V	$V_{\phi-N} - 20\%$	2.5s
O/V st 1	$V_{\phi-N} + 14\%$	1.0s
O/V st 2	$V_{\phi-N} + 19\%$	0.5s
U/F st 1	47.5 Hz	20s
U/F st 2	47 Hz	0.5s
OF	52 Hz	0.5s
Loss of Mains (RoCoF)	1 Hzs ⁻¹	

Tested according to:

G98/1-7:2022