

Irish Grid Code Declaration of Conformity

Manufacturer: Shanghai Sigen New Energy Technology Co., Ltd.

Address: No.175 Weizhan Rd. Lin-gang 201304, Shanghai, People's Republic of China

is herewith confirmed the following equipment

Product/Trademark:

Sigen Energy Controller; Sigen Hybrid Inverter; Sigen PV Inverter Models:

SigenStor EC/Sigen Hybrid/Sigen PV Max x SP (x can be 3.0, 3.6, 4.0, 4.6, 5.0, 6.0, 8.0, 10.0, 12.0);
SigenStor EC/Sigen Hybrid/Sigen PV Max y TP (y can be 5.0, 6.0, 8.0, 10.0, 12.0, 15.0, 17.0, 20.0, 25.0)

comply with the following Standards

- EN 50549-1:2019 with interface protection settings for Ireland(conditions-governing-connection-operation-small-scale-generation)**

	LV Single Phase	LV Three Phase	Verification	
Under Voltage				
Stage 1	191 V 3 s	332 V 3 s	✓	
Stage 2	29 V 0.5 s	52 V 0.5 s	✓	
Over Voltage				
I.S.EN 50549-1 Installations (2 stage settings)	Stage 1	269 V 70 s	468 V 70 s	✓
	Stage 2	281 V 0.7 s	488 V 0.7 s	✓
Under Frequency				
Stage 1 47.5 Hz	47.5 Hz 20 s	47.5 Hz 20 s	✓	
Stage 2 47 Hz	47 Hz 0.5 s	47 Hz 0.5 s	✓	
Over Frequency				
Stage 1 52 Hz	52 Hz 20 s	52 Hz 20 s	✓	
Stage 2 52.5 Hz	52.5 Hz 0.5 s	52.5 Hz 0.5 s	✓	
RoCoF	1 Hz/s 0.5 s		✓	
Vector Shift	Not Allowed		✓	

This declaration of conformity is issued under the sole responsibility of the:

Manufacturer Authorized representative established within the EU

Person responsible for making this declaration

Family Name, Surname: Jiang, Chen

Title: Head of Sigenenergy R&D Testing Department

Place: China, Shanghai

Signature

Date: 2024/09/30