

Certificate Number: AZ 69027740

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-027740-E

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under JAS-ANZ accreditation. The electrical equipment described hereunder has been evaluated and found to be electrically safe at the time of certification and met the minimum safety requirements contained in Australian Standard AS/NZS 3820 as of current. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder may affix the above mentioned authorised marking on the product.

CERTIFICATE HOLDER:

Shanghai SIGEN New Energy Technology Co., Ltd.
No. 175 Weizhan Road,
Lingang New Area, China
(Shanghai) Pilot Free Trade Zone
201304 Shanghai
P.R. China

DESCRIPTION OF EQUIPMENT

Declared class:	Non-declared
Product:	Energy Storage System
Trade Name / Manufacturer:	Sigenenergy
Model Number:	SigenStor-xS-y , Details refer to CONTINUATION SHEET 1-2
Ratings:	Ratings refer to CONTINUATION SHEETS 3-4 for details
Standard:	IEC 62109-2:2011 IEC 62109-1:2010 AS/NZS 4777.2:2020+A1 IEC 62040-1:2017+A1
Issue Date:	22/01/2024
Expiry Date:	22/01/2029

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Grant Li



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CONTINUATION SHEET 1

Model numbers:

SigenStor-xS-y

x can be 3, 3.6, 4, 4.6, 5, 6, representing AC output power rating.

y can be 5, 8, 10, 13, 16, 21, 24, 29, 32, 37, 40, 48, representing battery power capacity in kWh.

Model number list:

SigenStor-3S-5 , SigenStor-3S-8 , SigenStor-3S-10 ,
SigenStor-3S-13 , SigenStor-3S-16 , SigenStor-3S-21 ,
SigenStor-3S-24 , SigenStor-3S-29 , SigenStor-3S-32 ,
SigenStor-3S-37 , SigenStor-3S-40 , SigenStor-3S-48 ;
SigenStor-3.6S-5 , SigenStor-3.6S-8 , SigenStor-3.6S-10 ,
SigenStor-3.6S-13 , SigenStor-3.6S-16 ,
SigenStor-3.6S-21 , SigenStor-3.6S-24 , SigenStor-3.6S-29 ,
SigenStor-3.6S-32 , SigenStor-3.6S-37 , SigenStor-3.6S-40 ,
SigenStor-3.6S-48 ;

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CONTINUATION SHEET 2

Model numbers:

SigenStor-4S-5, SigenStor-4S-8, SigenStor-4S-10,
SigenStor-4S-13, SigenStor-4S-16, SigenStor-4S-21,
SigenStor-4S-24, SigenStor-4S-29, SigenStor-4S-32,
SigenStor-4S-37, SigenStor-4S-40, SigenStor-4S-48;

SigenStor-4.6S-5, SigenStor-4.6S-8,
SigenStor-4.6S-10, SigenStor-4.6S-13, SigenStor-4.6S-16,
SigenStor-4.6S-21, SigenStor-4.6S-24, SigenStor-4.6S-29,
SigenStor-4.6S-32, SigenStor-4.6S-37, SigenStor-4.6S-40,
SigenStor-4.6S-48;

SigenStor-5S-5, SigenStor-5S-8, SigenStor-5S-10,
SigenStor-5S-13, SigenStor-5S-16, SigenStor-5S-21,
SigenStor-5S-24, SigenStor-5S-29, SigenStor-5S-32,
SigenStor-5S-37, SigenStor-5S-40, SigenStor-5S-48;
SigenStor-6S-5, SigenStor-6S-8, SigenStor-6S-10,
SigenStor-6S-13, SigenStor-6S-16, SigenStor-6S-21,
SigenStor-6S-24, SigenStor-6S-29, SigenStor-6S-32,
SigenStor-6S-37, SigenStor-6S-40, SigenStor-6S-48;

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CONTINUATION SHEET 3

Ratings

For all models:

IP66, Class I, Non-isolated type, -20°C to 55°C,
Overvoltage category: DC: OVC II, AC: OVC III
DRM 0

For model SigenStor-3S-y, SigenStor-3.6S-y, SigenStor-4S-y,
SigenStor-4.6S-y, SigenStor-5S-y, SigenStor-6S-y

PV input:

MPPT range: 50 -550Vdc

Max. PV input voltage: 600Vdc

Max input current: 16A/16A

Isc: 20A/20A

Battery input:

Voltage range:300-600Vdc

Maximum Charging/discharging current: 12A/12A

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CONTINUATION SHEET 4

AC output

Rated voltage: 220/230/240Vac 50/60Hz

Rated output power: 3000W, 3680W, 4000W,
4600W, 4999W, 6000W

Rated output apparent power (230V): 3000VA, 3680VA, 4000VA,
4600VA, 4999VA, 6000VA

Maximum output apparent power: 3300VA, 3680VA, 4400VA,
4999VA, 4999VA, 6600VA

Rated output current (230V): 13.6A, 16A, 18.2A, 20.9A, 21.7A
27.3A

Maximum output current: 15A, 16A, 20A, 21.7A, 21.7A, 30A

Power factor: 0.8 leading – 0.8 lagging

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