

Unit Certificate

Shenzhen Growatt New Energy Co., Ltd.
4-13/F, Building A, Sino-German (Europe) Industrial Park,
Hangcheng Ave, Bao'an District, Shenzhen,
China

Type of equipment	AC-Coupled Balcony Solar Storage (Type 2)		
Product Name	AURA 5000-2500, AURA 5000-800		
Technical data	rated active power:	P_{rE}	= 0.8-2.5 kW
	maximum active power:	$P_{E\max}$	= 0.8-2.5 kW
	max. apparent power:	$S_{E\max}$	= 0.8-2.5 kVA
	rated voltage:	U_r	= 230 V
	Rated current (AC):	I_r	= 3.5-10.9 A
	Initial short-circuit AC current:	$I_{k''}$	= 4.2-13.1 A
Certification scheme	P30VA01 Rev. 11/10.25	TÜV NORD Certification Process for Grid Integration Certification	
Network connection rule	VDE-AR-N 4105 2018-11	Generators connected to the low-voltage distribution network customer installations to the medium voltage network operation with low-voltage distribution networks	
Test requirement	DIN VDE V 0124-100 2020-06	Grid integration of generator plants - Low-voltage Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks	

The power generating units comply with the requirements of the network connection rule specified above, with a restriction. For further details and technical specifications, please refer to Annex 1, which consists of 4 pages.

Certificate Registration No. 4479823053477 valid from 2026-04-30
 Evaluation Report No. 35422134 Type 1a Certificate

Essen, 2026-04-30
 Rev. 1.0



Certification body of TÜV NORD CERT GmbH

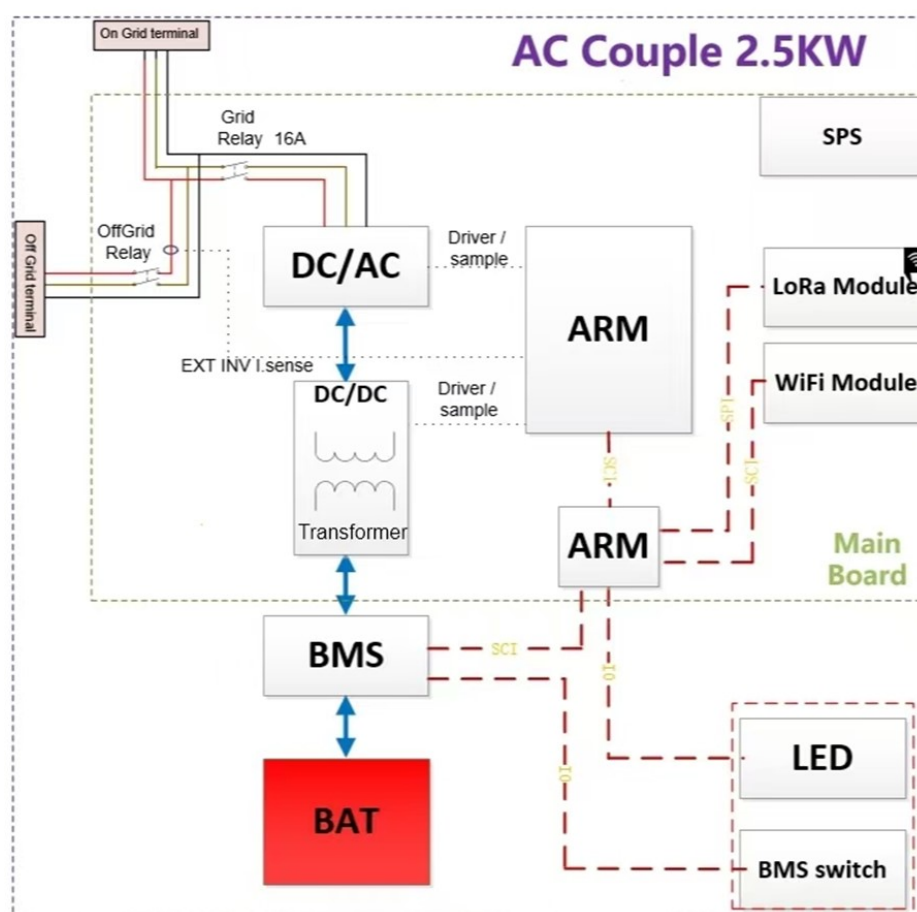


ANNEX 1

to the Unit Certificate with the Registration No. 4479823053477

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Schematic structure of the power generating units:



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Technical data of the power generating units

General		
Type of EZE	Type 2 / AC-Coupled Balcony Solar Storage	
Designation	AURA 5000-2500	AURA 5000-800
On-grid variables		
Rated output apparent power S_{rE}	2500 VA 2500 VA (max)	800 VA 800 VA (max)
Rated output effective power P_{rE}	2500 W 2500 W (max)	800 W 800 W (max)
Max. output effective power P_{Emax}	2501.1 W (1.000 P_{Emax})	799.9 W (1.000 P_{Emax})
Max. output apparent power S_{Emax}	2501.3 VA (1.001 S_{Emax})	800.5 VA (1.001 S_{Emax})
Max. input power P_{Emax}	2500 W	2300 W
Max. input apparent power S_{Emax}	2500 VA	2300 VA
Rated output / Input voltage U_r	230V, L+N+PE	
Max. output current I_r	10.9 A	3.5 A
Initial short-circuit alternating current I''_k	13.1 A	4.2 A
Max. input current I_r	10.9 A	10.0 A
Reactive power adjustment range $\cos \varphi$	> 0.99 (-0.8~+0.8)	
Rated output / Input frequency f_n	50/60 Hz	
Battery Variables		
Battery type	LFP	
Battery Rated Voltage	16 V	
Max. Charge Current	187 A	
Max. Discharge Current	187 A	
DC – Input variables		
Type /IGBT module	JT050N065WED	
Quantity DC Link Capacitor	6	
Clock frequency	19.2kHz-38.4kHz	

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Type of power control	PWM
Max. Output current (only for IGBT)	10.9A
Software versions	06.00.07.04.9000.4025
Generation unit Control	
Manufacturer	Shenzhen Growatt New Energy Co., Ltd.
Software version	06.00.07.04.9000.4025
Protection device	
Manufacturer	Xinweier Electric(Jiangsu) Co.,Ltd
Type	Integrated guard
Switch-off unit (AC)	SIMVEO/IR01-16-2ABF/DC12V(G20)
Software versions	06.00.07.04.9000.4025

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Remarks

Additional technical data is given in the evaluation report (appendix A1).

The use of a modified software version is permitted if the changes to the above-mentioned software versions have been checked by TÜV NORD CERT GmbH. The validity of a new software version is confirmed to the manufacturer in writing. This confirmation then forms part of the certificate.

Quality Management System

The manufacturer has proven for the manufacturing facility of the power generating units a certification of its quality management system according to ISO 9001. The manufacturer confirmed in a manufacturer declaration that the certification of the management system will be valid parallel to the period of this unit certificate.

Restrictions

Please note that all models do not have a display. As a result, the protection settings of the decoupling protection and the connection conditions cannot be read or set via a display on the component. As a result, a readout function must be implemented on the PGU.

Appendix to the Certificate

- A1. Evaluation report no. 35422134 version 1.0
- A2. Extracts from the test report VDE-AR-N 4105 Annex E.5
TÜV NORD Testing (Suzhou) Co., Ltd. Extract No. RDPVP07134/25E/02 A1
A1 from Apr.29,2026
- A3. Extracts from the test report VDE-AR-N 4105 Annex E.7
TÜV NORD Testing (Suzhou) Co., Ltd. Extract No. RDPVP07134/25E/02 A2
A1 from Apr.29,2026

Essen,2026-04-30



Certification body of TÜV NORD CERT GmbH

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