

# Zertifikat *Certificate*

**Zertifikatsnummer Certificate No.:**

R 50721494 0001

**Berichtsnummer Report No.:**

CN26TBUE 001

**Genehmigungsinhaber License Holder:**

SunEnergyXT Holdings S.à r.l.

1 Rue Jean Piret

L-2350 Luxembourg

Luxembourg

**Fertigungsstätte Manufacturing Site:**

Huizhou Topband Electrical Technology

Co., LTD

No.113 Dongxin Avenue,

Dongxing Area &amp; 101, 102, 103, 201, 301

Building 3, Building 1 Xingyun East Road

Dongjiang High tech Industrial Park, Zhongkai High tech

Zone,

Huizhou City,

Guangdong

P.R. China

**Prüfzeichen Test Mark:**


Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 1111315657

**Geprüft nach Tested according to:**

EN 62109-1:2010

IEC 62109-1:2010

EN 62109-2:2011

IEC 62109-2:2011

**Geräteidentifikation**
*Product Identification*

**Produkt:** Energy Storage System  
*Product:* (Hybrid Energy Storage System)

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
*Type:* Type designation(s) are listed on the next page(s)

**Technische Daten:** Technical data(s) are listed on the next page(s)  
*Technical Data:* ANLAGE (Appendix): 1

**Gültig ab:** 2026-04-02  
*Valid from:*

**Zertifizierungsstelle:**  
*Certification body:*



**Ausstellungsdatum:** 2026-04-02  
*Date of issue:*

Dean Cao

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.

*This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

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**Produkt Product:** Energy Storage System  
(Hybrid Energy Storage System)

**Modell Type:** **Bezeichnung Designation:**  
1)SunEnergyXT 500 PRO, 2)SunEnergyXT 500

Vmax PV Voltage [Vd.c.]	: 60
MPP Voltage Range [Vd.c.]	: 20-60
MPP Full Power Voltage Range [Vd.c.]	: 27.5-58
Max. Input Current [Ad.c.]	: 4*22
Isc PV [Ad.c.]	: 4*25
Nominal Battery Voltage [Vd.c.]	: 16
Max. Charge/Discharge Current [Ad.c.]	: 160/160
Battery Type	: LiFePO4
Rated Capacity [Ah]	: 314
Rated Energy [Wh]	: 5024
Rated Input/Output Voltage [Va.c.]	: 230, W+N+PE
Rated Input/Output Freq. [Hz]	: 50/60
Max. Input Current [Aa.c.]	: 12
Max. Output Current [Aa.c.]	: 1)11.6, 2)3.86
Rated Output Power [W]	: 1)2400, 2)800
Max. Output Apparent Power [VA]	: 1)2400, 2)800
Power Factor Range	: 0.8Leading - 0.8Lagging
Off-grid Output Rated Voltage [Va.c.]	: 230, W+N+PE
Off-grid Output Freq. [Hz]	: 50/60
Off-grid Output Max Current [Aa.c.]	: 10.44
Off-grid Output Rated Power [W]	: 2400
Type of inverter	: Isolated
Overvoltage Category(OVC)	: II for PV Side II for battery Side III for AC Mains
Protective Class	: Class I
Firmware Version	: V2.1
Ingress Protection (IP)	: IP65
Pollution Degree (PD)	: PD3
Altitude [m]	: 2000
Operating Temperature Range [°C]	: -20 to +55( > 45 derating)
Size W*H*D(mm)	: 536*379.7*307
Weight(kg)	: 58±1

**Remark(s):**

The installation has to be carried out according to the attached installation instruction.  
Any additional requirements in countries where the product is going to be marketed have to be considered additionally.

