



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/23/SH/00339

Contract Number: 801410

Certificate Project Number: SH-CERT231005842

Certified Product: Energy Storage System (including Hybrid Inverter and Battery Packs)

Trademarks: PYTES

Model(s): Pi L8K, Pi L10K, Pi L12K, Pi S8K, Pi S12K, Pi S15K

Technical Data: See Page 2 to 3

Certificate Holder: Shanghai PYTES Energy Co., Ltd.
No.3492 Jinqian Road, Qingcun Town, Fengxian District, Shanghai, 201400, China

This certificate supercedes previous certificates issued with the same certificate number. Certification is valid when products are indicated on the SGS directory of certified products at www.sgs.com or using the QR code below. The product is certified according to ISO/IEC Guide 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with:

ANSI/CAN/UL 9540:2020, 2nd Edition, Dated February 27, 2020

Authorized by:



Mark Lohmann
Certifier

Effective date: 06 November 2023



Certification Body

Connectivity & Products, a division of SGS North America Inc.
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Additional Information:

Technical Data:

Pi L8K:

PV Input: Max PV Input 12kW, Input Voltage 100~600V, Max Input Current 25A/25A
 AC Output: AC Output Voltage 120V/240V, 120V/208V, Max AC Output Power 8kW, Max AC Output Current 33.3A, Frequency 60Hz, Power Factor 0.99

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 167A, Max Energy Output 61.44kWh, Charge Temperature 0~57°C, Discharge Temperature -18~57°C, 6000 cycles, Up to 12 battery packs in parallel;

Pi L10K:

PV Input: Max PV Input 15kW, Input Voltage 100~600V, Max Input Current 25A/25A
 AC Output: AC Output Voltage 120V/240V, 120V/208V, Max AC Output Power 10kW, Max AC Output Current 41.6A, Frequency 60Hz, Power Factor 0.99

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 210A, Max Energy Output 61.44kWh, Charge Temperature 0~57°C, Discharge Temperature -18~57°C, 6000 cycles, Up to 12 battery packs in parallel;

Pi L12K:

PV Input: Max PV Input 18kW, Input Voltage 100~600V, Max Input Current 25A/15A/15A
 AC Output: AC Output Voltage 120V/240V, 120V/208V, Max AC Output Power 12kW, Max AC Output Current 50A, Frequency 60Hz, Power Factor 0.99

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 250A, Max Energy Output 61.44kWh, Charge Temperature 0~57°C, Discharge Temperature -18~57°C, 6000 cycles, Up to 12 battery packs in parallel;

Pi S8K:

PV Input: Max PV Input 13kW, Input Voltage 175~425V, Max Input Current 26A per MPPT
 AC Output: AC Output Voltage 120V/240V, 120V/208V, 220V, Max AC Output Power 8kW, Max AC Output Current 33.3A, Frequency 50/60Hz, Power Factor ±0.9 adjustable

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 180A, Max Energy Output 61.44kWh, Charge Temperature 0~55°C, Discharge Temperature -18~55°C, 6000 cycles, Up to 12 battery packs in parallel;

Pi S12K:

PV Input: Max PV Input 13kW, Input Voltage 175~425V, Max Input Current 26A per MPPT
 AC Output: AC Output Voltage 120V/240V, 120V/208V, 220V, Max AC Output Power 12kW, Max AC Output Current 50A, Frequency 50/60Hz, Power Factor ±0.9 adjustable

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 275A, Max Energy Output 61.44kWh, Charge Temperature 0~55°C, Discharge Temperature -18~55°C, 6000 cycles, Up to 12 battery packs in parallel;

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Pi S15K:

PV Input: Max PV Input 19.5kW, Input Voltage 175~425V, Max Input Current 26A per MPPT

AC Output: AC Output Voltage 120V/240V, 120V/208V, 220V, Max AC Output Power 15kW, Max AC Output Current 62.5A, Frequency 50/60Hz, Power Factor ± 0.9 adjustable

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 275A, Max Energy Output 61.44kWh, Charge Temperature 0~55°C, Discharge Temperature -18~55°C, 6000 cycles, Up to 12 battery packs in parallel;

Other Ratings:

IP65 for PCS, IP55 for Batteries with battery box, IP20 for Batteries without battery box

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