CERTIFICATE OF COMPLIANCE

Certificate Number: **SGSNA/25/SH/00016**

Contract Number: 801410
Certificate Project Number: SH-CERT240402625

Certified Product: Energy Storage System (including Hybrid Inverter and Battery Clusters)
Trademarks: PYTES
Model(s): Pi LV1 S15K, Pi LV1 S12K, Pi LV1 S8K, Pi LV1 S12KST, Pi LV1 S8KST, Pi LV1 S5KST
Technical Data: See Page 2-3

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 9540:2023,Third Edition, Dated June 28, 2023

Authorized by:

Mark Lohmann
Certifier

Effective date: 10 January 2025

Certification Body

Connectivity & Products, a division of SGS North America Inc.
620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA
t +1 770 570 1800 f +1 770 277 1240 www.sgs.com

CERTIFICATE OF COMPLIANCE

Certificate Number: **SGSNA/25/SH/00016**

Contract Number: 801410
Certificate Project Number: SH-CERT240402625

Additional Information:

Technical Data:

Pi LV1 S15K
Hybrid Inverter: Sol-Ark, Limitless 15K-LV,
Battery: Pytes, Pi LV1-1 / Pi LV1-2 / Pi LV1-3 / Pi LV1-4 / Pi LV1-5 / Pi LV1-6, up to 8 battery clusters in parallel.
PV Input: Max PV Input 19.5kW, Nominal PV Voltage Range 175~425V, Max Input Current per MPPT 26A.
AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, Max AC Output Power 15kW, Max AC Output Current 62.5A, Frequency 60Hz, Power Factor +/-0.9 adjustable.
Battery part: Battery Type LFP, Voltage Range 47.5Vdc~56.8Vdc, Max Charge / Discharge Current 275A, Maximum Energy Output 245.76kWh, Charge / Discharge Temperature 0~57°C / -22~57°C, 6000 Cycles.

Pi LV1 S12K
Hybrid Inverter: Sol-Ark, Limitless 12K-LV,
Battery: Pytes, Pi LV1-1 / Pi LV1-2 / Pi LV1-3 / Pi LV1-4 / Pi LV1-5 / Pi LV1-6, up to 8 battery clusters in parallel.
PV Input: Max PV Input 13kW, Nominal PV Voltage Range 175~425V, Max Input Current per MPPT 26A.
AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, Max AC Output Power 12kW, Max AC Output Current 50A, Frequency 60Hz, Power Factor +/-0.9 adjustable.
Battery part: Battery Type LFP, Voltage Range 47.5Vdc~56.8Vdc, Max Charge / Discharge Current 275A, Maximum Energy Output 245.76kWh, Charge / Discharge Temperature 0~57°C / -22~57°C, 6000 Cycles.

Pi LV1 S8K
Hybrid Inverter: Sol-Ark, Limitless 8K-LV,
Battery: Pytes, Pi LV1-1 / Pi LV1-2 / Pi LV1-3 / Pi LV1-4 / Pi LV1-5 / Pi LV1-6, up to 8 battery clusters in parallel.
PV Input: Max PV Input 13kW, Nominal PV Voltage Range 175~425V, Max Input Current per MPPT 26A.
AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, Max AC Output Power 8kW, Max AC Output Current 33.3A, Frequency 60Hz, Power Factor +/-0.9 adjustable.
Battery part: Battery Type LFP, Voltage Range 47.5Vdc~56.8Vdc, Max Charge / Discharge Current 180A, Maximum Energy Output 245.76kWh, Charge / Discharge Temperature 0~57°C / -22~57°C, 6000 Cycles.

Pi LV1 S12KST
Hybrid Inverter: Sol-Ark, Sol-Ark-12K-P,
Battery: Pytes, Pi LV1-1 / Pi LV1-2 / Pi LV1-3 / Pi LV1-4 / Pi LV1-5 / Pi LV1-6, up to 8 battery clusters in parallel.
PV Input: Max PV Input 13kW, Nominal PV Voltage Range 175~425V, Max Input Current per MPPT 20A.
AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, Max AC Output Power 9kW@240V, 7.8kW@208V, Max AC Output Current 37.5A, Frequency 60Hz, Power Factor +/-0.9
Battery part: Battery Type LFP, Voltage Range 47.5Vdc~56.8Vdc, Max Charge / Discharge Current 185A, Maximum Energy Output 245.76kWh, Charge / Discharge Temperature 0~57°C / -22~57°C, 6000 Cycles.

Certification Body

Connectivity & Products, a division of SGS North America Inc.
620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA
t +1 770 570 1800 f +1 770 277 1240 www.sgs.com

CERTIFICATE OF COMPLIANCE

Certificate Number: **SGSNA/25/SH/00016**

Contract Number: 801410
Certificate Project Number: SH-CERT240402625

Additional Information:

Technical Data:

Pi LV1 S8KST
Hybrid Inverter: Sol-Ark, Sol-Ark-8K-48-ST,
Battery: Pytes, Pi LV1-1 / Pi LV1-2 / Pi LV1-3 / Pi LV1-4 / Pi LV1-5 / Pi LV1-6, up to 8 battery clusters in parallel.
PV Input: Max PV Input 11kW, Nominal PV Voltage Range 175~425V, Max Input Current per MPPT 18A.
AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, Max AC Output Power 8kW@240V, 6.9kW@208V, Max AC Output Current 33A@240V, 33.3A@208V, Frequency 60Hz, Power Factor +/-0.9
Battery part: Battery Type LFP, Voltage Range 47.5Vdc~56.8Vdc, Max Charge / Discharge Current 185A, Maximum Energy Output 245.76kWh, Charge / Discharge Temperature 0~57°C / -22~57°C, 6000 Cycles.

Pi LV1 S5KST
Hybrid Inverter: Sol-Ark, Sol-Ark-5K-48-ST,
Battery: Pytes, Pi LV1-1 / Pi LV1-2 / Pi LV1-3 / Pi LV1-4 / Pi LV1-5 / Pi LV1-6, up to 8 battery clusters in parallel.
PV Input: Max PV Input 6.5kW, Nominal PV Voltage Range 175~425V, Max Input Current per MPPT 10A.
AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, Max AC Output Power 5kW, Max AC Output Current 20.8A@240V, 29.1A@208V, Frequency 60Hz, Power Factor +/-0.9
Battery part: Battery Type LFP, Voltage Range 47.5Vdc~56.8Vdc, Max Charge / Discharge Current 120A, Maximum Energy Output 245.76kWh, Charge / Discharge Temperature 0~57°C / -22~57°C, 6000 Cycles.

Other Ratings:

IP65 for Hybrid Inverter of Sol-Ark, IP55 for batteries.

Certification Body

Connectivity & Products, a division of SGS North America Inc.
620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA
t +1 770 570 1800 f +1 770 277 1240 www.sgs.com