

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 S9K, Pi S10K, Pi S12K,

Pi S15K, Pi M5K, Pi M6K, Pi M7.6K, Pi M8K, Pi M10K, Pi S5KST,

Pi S8KST, Pi S9KST, Pi S12KST, Pi S5K1P

Technical Data: See page 2-7

Certificate Holder: Shanghai PYTES Energy Co., Ltd.

No. 3492 Jinqian Rd, 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: 08 May 2024

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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



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Additional Information:

Technical Data:

Pi L8K

LUXPOWERTEK LXP-LB-US 8K / V5° or V5°a

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

LUXPOWERTEK LXP-LB-US 10K / V5° or V5°a

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

LUXPOWERTEK LXP-LB-US 12K / V5° or V5°a

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

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Pi S8K

Sol-Ark Limitless 8K-LV / V5° or V5°α

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 S9K

Sol-Ark Limitless 9K-LV / V5° or V5°a

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 9kW, Max AC Output

Current 37.5A, 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 S10K

Sol-Ark Limitless 10K-LV / V5° or V5°a

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 10kW, Max AC Output

Current 41.7A, 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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Technical Data:

Pi S12K

Sol-Ark Limitless 12K-LV / V5° or V5°α

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

Pi S15K

Sol-Ark Limitless 15K-LV / V5° or V5°a

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

Pi M5K

Megarevo R5KLNA / V5° or V5°α

PV Input: Max PV Input 7.5kW, Nominal PV Voltage Range 120~500V, Max Input Current 14A per MPPT

AC Output: Nominal AC Output Voltage 120V/240V Split Phase, Max AC Output Power 5kW, Max AC Output Current 22.9A, Frequency 60Hz, Power Factor -0.8~+0.8

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 120A, Max Energy Output 61.44kWh, Charge Temperature 0~57°C, Discharge Temperature -18~57°C, 6000 cycles, Up to 12 battery packs in parallel

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Pi M6K

Megarevo R6KLNA / V5° or V5°α

PV Input: Max PV Input 9kW, Nominal PV Voltage Range 120~500V, Max Input Current 14A per MPPT

AC Output: Nominal AC Output Voltage 120V/240V Split Phase, Max AC Output Power 6kW, Max AC Output Current 27.5A, Frequency 60Hz, Power Factor -0.8~+0.8

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 135A, 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 M7.6K

Megarevo R7K6LNA / V5° or V5°α

PV Input: Max PV Input 12kW, Nominal PV Voltage Range 120~500V, Max Input Current 14A per MPPT

AC Output: Nominal AC Output Voltage 120V/240V Split Phase, Max AC Output Power 7.6kW, Max AC Output Current 35A, Frequency 60Hz, Power Factor -0.8~+0.8

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 190A, 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 M8K

Megarevo R8KLNA / V5° or V5°α

PV Input: Max PV Input 12kW, Nominal PV Voltage Range 120~500V, Max Input Current 14A per MPPT AC Output: Nominal AC Output Voltage 120V/240V Split Phase, Max AC Output Power 8kW, Max AC Output Current 36.7A, Frequency 60Hz, Power Factor -0.8~+0.8

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 190A, Max Energy Output 61.44kWh, Charge Temperature 0~57°C, Discharge Temperature -18~57°C, 6000 cycles, Up to 12 battery packs in parallel

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Technical Data:

Pi M10K

Megarevo R10KLNA / V5° or V5°α

PV Input: Max PV Input 13kW, Nominal PV Voltage Range 120~500V, Max Input Current 14A per MPPT AC Output: Nominal AC Output Voltage 120V/240V Split Phase, Max AC Output Power 10kW, Max AC Output Current 45.8A, Frequency 60Hz, Power Factor -0.8~+0.8

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 190A/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 S5KST

Sol-Ark-5K-48-ST / V5° or V5°a

PV Input: Max PV Input 6.5kW, Nominal PV Voltage Range 175~425V, Max Input Current 10A per MPPT AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, 220V, Max AC Output Power 5kW, Max AC Output Current 20.8A, Frequency 60Hz, Power Factor +/-0.9

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 120A, 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 S8KST

Sol-Ark-8K-48-ST / V5 $^{\circ}$ or V5 $^{\circ}$ α

PV Input: Max PV Input 11kW, Nominal PV Voltage Range 175~425V, Max Input Current 18A per MPPT AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, 220V, Max AC Output Power 8kW, Max AC Output Current 33A, Frequency 60Hz, Power Factor +/-0.9

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 185A, 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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Technical Data:

Pi S9KST

Sol-Ark-9K-48-ST / $V5^{\circ}$ or $V5^{\circ}\alpha$

PV Input: Max PV Input 11kW, Nominal PV Voltage Range 175~425V, Max Input Current 18A per MPPT AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, 220V, Max AC Output Power 9kW, Max AC Output Current 37.5A, Frequency 60Hz, Power Factor +/-0.9

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 185A, 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 S12KST

Sol-Ark-12K-P / V5° or V5°a

PV Input: Max PV Input 13kW, Nominal PV Voltage Range 175~425V, Max Input Current 20A per MPPT AC Output: Nominal AC Output Voltage 120V/240V, 120V/208V, 220V, Max AC Output Power 9kW, Max AC Output Current 37.5A, Frequency 60Hz, Power Factor +/-0.9

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 185A, 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 S5K1P

Sol-Ark 5K-120V/8K-230V-1P / V5° or V5°α

PV Input: Max PV Input 10.4kW, Nominal PV Voltage Range 150~425V, Max Input Current 26A per MPPT

AC Output: Nominal AC Output Voltage 120V/240V Single Phase, Max AC Output Power 8kW with L-N 240V or 4.8kW with L-N 120V, Max AC Output Current 33.3A with L-N 240V or 40A with L-N 120V, Frequency 60Hz

Battery: Voltage Range 47.5Vdc~57.6Vdc, Max Charge/Discharge Current 185A with L-N 240V or 120A with L-N 120V, 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 V-BOX-OC, IP20 for Batteries with other battery box or bracket.

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