

CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/24/SH/00249

Contract Number: 801410
Certificate Project Number: SH-CERT240402624

Certified Product: Energy Storage System (including Hybrid Inverter and Battery Clusters)
Trademarks: PYTES
Model(s): HV100 S30K, HV100 SI3.8K, HV100 SI5K, HV100 SI7.6K, HV100 SI10K, HV100 SI11.4K
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: 26 July 2024



Certification Body

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

HV100 S30K

Inverter: Sol-Ark, 30K-3P-208V,

Battery: Pytes, HV48100 BMU-6 / HV48100 BMU-7 / HV48100 BMU-8 for 1 battery cluster, up to 16 battery clusters in parallel.

PV Input: Max PV Input 39kW, Nominal PV Voltage Range 150~500V, Max Input Current per MPPT 36A,

AC Output: Nominal AC Output Voltage 120V/208V, Max AC Output Power 30kW, Max AC Output Current 83.4A, Frequency 60Hz, Power Factor -0.8 ~ +0.8,

Battery part: Battery Type LFP, Voltage Range 237.5Vdc~460.8Vdc, Max Charge/Discharge Current 50A, Maximum Energy Output 655.36kWh, Charge/Discharge Temperature 0~57°C/-18~57°C, 6000 Cycles.

HV100 SI3.8K

Inverter: Solis, S6-EH1P3.8K-H-US,

Battery: Pytes, HV48100 BMU-5 / HV48100 BMU-6 / HV48100 BMU-7 / HV48100 BMU-8 for 1 battery cluster, up to 16 battery clusters in parallel.

PV Input: Max PV Input 6.08kW, Nominal PV Voltage Range 80~520V, Max Input Current per MPPT 16A,

AC Output: Nominal AC Output Voltage 240V, Max AC Output Power 3.8kW, Max AC Output Current 15.8A, Frequency 60Hz, Power Factor >0.99 (+/-0.8 adj.),

Battery part: Battery Type LFP, Voltage Range 237.5Vdc~460.8Vdc, Max Charge/Discharge Current 25A, Maximum Energy Output 655.36kWh, Charge/Discharge Temperature 0~57°C/-18~57°C, 6000 Cycles.

HV100 SI5K

Inverter: Solis, S6-EH1P5K-H-US

Battery: Pytes, HV48100 BMU-5 / HV48100 BMU-6 / HV48100 BMU-7 / HV48100 BMU-8 for 1 battery cluster, up to 16 battery clusters in parallel.

PV Input: Max PV Input 8kW, Nominal PV Voltage Range 80~520V, Max Input Current per MPPT 16A,

AC Output: Nominal AC Output Voltage 240V, Max AC Output Power 5kW, Max AC Output Current 20.8A, Frequency 60Hz, Power Factor >0.99 (+/-0.8 adj.),

Battery part: Battery Type LFP, Voltage Range 237.5Vdc~460.8Vdc, Max Charge/Discharge Current 25A, Maximum Energy Output 655.36kWh, Charge/Discharge Temperature 0~57°C/-18~57°C, 6000 Cycles.

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HV100 SI7.6K

Inverter: Solis, S6-EH1P7.6K-H-US

Battery: Pytes, HV48100 BMU-5 / HV48100 BMU-6 / HV48100 BMU-7 / HV48100 BMU-8 for 1 battery cluster, up to 16 battery clusters in parallel.

PV Input: Max PV Input 12.16kW, Nominal PV Voltage Range 80~520V, Max Input Current per MPPT 16A,

AC Output: Nominal AC Output Voltage 240V, Max AC Output Power 7.6kW, Max AC Output Current 31.7A, Frequency 60Hz, Power Factor >0.99 (+/-0.8 adj.),

Battery part: Battery Type LFP, Voltage Range 237.5Vdc~460.8Vdc, Max Charge/Discharge Current 25A, Maximum Energy Output 655.36kWh, Charge/Discharge Temperature 0~57°C/-18~57°C, 6000 Cycles.

HV100 SI10K

Inverter: Solis, S6-EH1P10K-H-US

Battery: Pytes, HV48100 BMU-5 / HV48100 BMU-6 / HV48100 BMU-7 / HV48100 BMU-8 for 1 battery cluster, up to 16 battery clusters in parallel.

PV Input: Max PV Input 16kW, Nominal PV Voltage Range 80~520V, Max Input Current per MPPT 16A,

AC Output: Nominal AC Output Voltage 240V, Max AC Output Power 10kW, Max AC Output Current 41.7A, Frequency 60Hz, Power Factor >0.99 (+/-0.8 adj.),

Battery part: Battery Type LFP, Voltage Range 237.5Vdc~460.8Vdc, Max Charge/Discharge Current 50A, Maximum Energy Output 655.36kWh, Charge/Discharge Temperature 0~57°C/-18~57°C, 6000 Cycles.

HV100 SI11.4K

Inverter: Solis, S6-EH1P11.4K-H-US

Battery: Pytes, HV48100 BMU-5 / HV48100 BMU-6 / HV48100 BMU-7 / HV48100 BMU-8 for 1 battery cluster, up to 16 battery clusters in parallel.

PV Input: Max PV Input 18.24kW, Nominal PV Voltage Range 80~520V, Max Input Current per MPPT 16A,

AC Output: Nominal AC Output Voltage 240V, Max AC Output Power 11.4kW, Max AC Output Current 47.5A, Frequency 60Hz, Power Factor >0.99 (+/-0.8 adj.),

Battery part: Battery Type LFP, Voltage Range 237.5Vdc~460.8Vdc, Max Charge/Discharge Current 50A, Maximum Energy Output 655.36kWh, Charge/Discharge Temperature 0~57°C/-18~57°C, 6000 Cycles.

Other Ratings:

IP65 for Hybrid Inverter of Sol-Ark, Type 4X for Hybrid Inverter of Solis, IP20 for batteries, IP20 for Batteries with battery cabinets (HV48100 Cabinet, HV48100 12S Cabinet, HV48100 15S Cabinet).

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