



# 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](http://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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