



Certificate of Compliance

Certificate: 80244434

Master Contract: 608133

Project: 80244434

Date Issued: 2025-02-25

Issued to: Hoymiles Power Electronics Inc.
No.18 Kangjing Road,
Hangzhou, Zhejiang 310015
China

Attention: Joy Tao

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Issac Sun
Issac Sun

PRODUCTS

CLASS 3701-88 - BATTERIES - Electrical Energy Storage System - Certified to US Standard.

CLASS 3701-08 - BATTERIES - Electrical Energy Storage System.

Li-ion Battery Energy Storage System, Model HIONE-*kW-10kWh-USG2 & AIONE-*kW-10kWh-USG2, *=3.8,4.8,6.0,7.6,9.6 or11.5,which represent for the power of the PCS), model name see below table 1 for details.



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Table1

BESS	PCS Model	Quantities of battery system	Energy (KWh)
HIONE-3.8kW-10kWh-USG2	HYS-3.8LV-USG1	1	10.24
HIONE-4.8kW-10kWh-USG2	HYS-4.8LV-USG1	1	10.24
HIONE-6.0kW-10kWh-USG2	HYS-6.0LV-USG1	1	10.24
HIONE-7.6kW-10kWh-USG2	HYS-7.6LV-USG1	1	10.24
HIONE-9.6kW-10kWh-USG2	HYS-9.6LV-USG1	1	10.24
HIONE-11.5kW-10kWh-USG2	HYS-11.5LV-USG1	1	10.24
AIONE-3.8kW-10kWh-USG2	HAS-3.8LV-USG1	1	10.24
AIONE-4.8kW-10kWh-USG2	HAS-4.8LV-USG1	1	10.24
AIONE-6.0kW-10kWh-USG2	HAS-6.0LV-USG1	1	10.24
AIONE-7.6kW-10kWh-USG2	HAS-7.6LV-USG1	1	10.24
AIONE-9.6kW-10kWh-USG2	HAS-9.6LV-USG1	1	10.24
AIONE-11.5kW-10kWh-USG2	HAS-11.5LV-USG1	1	10.24

Refer to following table for component included in Battery Energy Storage System (BESS).

Model/Component	HIONE-*kW-10kWh-USG2	AIONE-*kW-10kWh-USG2
Battery system	LB-10D-USG2	LB-10D-USG2
Inverter	HYS-3.8LV-USG1& HYS-4.8LV-USG1& HYS-6.0LV-USG1& HYS-7.6LV-USG1& HYS-9.6LV-USG1& HYS-11.5LV-USG1	HAS-3.8LV-USG1& HAS-4.8LV-USG1& HAS-6.0LV-USG1& HAS-7.6LV-USG1& HAS-9.6LV-USG1& HAS-11.5LV-USG1
PV charge mode	Yes	No

Refer to below table for the ratings of the energy storage system.

BESS	
Model:	HIONE-*kW-10kWh-USG2 & AIONE-*kW-10kWh-USG2
Input Rating:	



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Current (Amp)	PV Mode(only for HIONE-*kW-10kWh-USG2): 16Adc/MPPT for HIONE-3.8kW-10kWh-USG2 & HIONE-4.8kW-10kWh-USG2 & HIONE- 6.0kW-10kWh-USG2 (Total 2 MPPT) 32Adc/MPPT for HIONE-7.6kW-10kWh-USG2 & HIONE-9.6kW-10kWh-USG2 & HIONE- 11.5kW-10kWh-USG2 (Total 2 MPPT) Grid Mode: Max. 48A
Voltage (Volts)	PV Mode(only for HIONE-*kW-10kWh-USG2) : Max. 550 Vdc Grid Mode : 211~264Vdc
Power (W or VA)	PV Mode(only for HIONE-*kW-10kWh-USG2) : 3840/4800/6000/7600/9600/11500W Grid Mode : 3840/4800/6000/7600/9600/11500W Refers to above table 1 for details for different configuration.
Number of Phase	PV Mode: DC Input Grid Mode:L1-L2
Frequency (Hz)	PV Mode : DC Input Grid Mode : 58.8-61.2Hz
Output Rating:	
Current (Amp)	Grid Mode: 32/40/40/64/80/80A Back Up Mode: 16/20/25/32/40/48A
Voltage (Volts)	Grid Mode : 264Vac Back Up Mode: 211-264Vac(L-L) 105-132Vac(L-N)
Power (W or VA)	Grid Mode : 3840/4800/6000/7600/9600/11500W Back Up Mode : 3840/4800/6000/7600/9600/11500W Refers to above table 1 for details for different configuration.
Energy (Wh)	Rating based on use of battery system. Refers to above table 1 for details for different configuration.
Number of Phase	split phase with neutral or without neutral
Frequency (Hz)	Grid Mode: 58.8Hz ~ 61.2Hz Back Up Mode: 55~65Hz
Other Rating:	
Maximum Short Circuit Current (A)	560A _{pk} , 17.4ms; 52.5A _{rms} @ 1cycles; 31.1A _{rms} @ 3cycles; 24.4A _{rms} @ 5 cycles



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Ambient Temperature (°C)	Complete ESS: -20~55°C Battery System: -20~55°C Inverter: -25°C to 65°C
Special Environmental Ratings and Limitations	Outdoor and Indoor Use
Weight (lbs)	Battery System: 103 kg Inverter: 33 kg for HYS-3.8LV-USG1& HYS-4.8LV-USG1& HYS-6.0LV-USG1& HAS-3.8LV-USG1& HAS-4.8LV-USG1& HAS-6.0LV-USG1 38kg for HYS-7.6LV-USG1& HYS-9.6LV-USG1& HYS-11.5LV-USG1& HAS-7.6LV-USG1& HAS-9.6LV-USG1& HAS-11.5LV-USG1
Technology Utilized in System	Li-ion Battery Energy Storage System
Enclosure Environmental Ratings	Battery System: TYPE 4X Inverter: TYPE 4X

Conditions of Acceptability:

1. The acceptability of grid support utility interactive inverters shall be determined by the local electric utility.
2. The installation was not evaluated. The ESS shall be installed in accordance with applicable local installation code.
3. The system was intended for indoor/outdoor use without arc flash risk considered and is not designed for used in seismic or outdoor coastal regions.
4. Based on the result and test condition/method in the UL 9540A report, the acceptability shall be determined by the local AHJ according to the real installation.
5. The wall for battery installation shall be solid brick or cement wall with strong bearing capacity and wall thickness no less than 100mm/3.9in.

APPLICABLE REQUIREMENTS

ANSI/CAN/UL 9540:2020 - Energy Storage Systems and Equipment, Ed 2 with Rev Apr 9, 2021

MARKINGS

N/A

Notes:



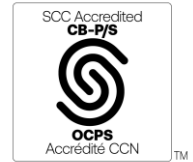
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Products certified under Class C370108 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80244434	2025-02-25	Multiple listing Listee for Hoymiles Power Electronics Inc. based on the Certificate No. 80174161 and Project No. 80174161. See the table below for details:

Submitter's Models	Listee's Models
PBY-US-3.8/10.2	HIONE-3.8kW-10kWh-USG2
PBY-US-4.8/10.2	HIONE-4.8kW-10kWh-USG2
PBY-US-6.0/10.2	HIONE-6.0kW-10kWh-USG2
PBY-US-7.6/10.2	HIONE-7.6kW-10kWh-USG2
PBY-US-9.6/10.2	HIONE-9.6kW-10kWh-USG2
PBY-US-11.5/10.2	HIONE-11.5kW-10kWh-USG2
PBA-US-3.8/10.2	AIONE-3.8kW-10kWh-USG2
PBA-US-4.8/10.2	AIONE-4.8kW-10kWh-USG2
PBA-US-6.0/10.2	AIONE-6.0kW-10kWh-USG2
PBA-US-7.6/10.2	AIONE-7.6kW-10kWh-USG2
PBA-US-9.6/10.2	AIONE-9.6kW-10kWh-USG2
PBA-US-11.5/10.2	AIONE-11.5kW-10kWh-USG2