AES CAB HYBRID INVERTER COMPATIBILITY LIST

North America and Australia | UL 9540 DC ESS, Section 46.14

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This list identifies the hybrid inverters that Discover Energy Systems Corp. (Discover) has verified as compatible with the AES CAB DC energy storage system in North America (United States and Canada) and Australia. Only the combinations listed are approved. A combination not shown is not approved until Discover adds it in a revision of this document.

1. SCOPE AND BASIS

1.1 The AES CAB is certified to ANSI/CAN/UL 9540:2023 (3rd Edition) as a DC energy storage system under TÜV Rheinland certificate CU 72503596 0001 (report CN2508AE 001, issued 2025-10-27), model designation CAB-X / SLL03C2-D1P52S1Rn-A01. The listing covers the battery cabinet. The inverter is listed separately and paired with the cabinet in the field.

1.2 Under Section 46.14, compatible external power conversion equipment may be identified through specific equipment models or documented interface requirements within the manufacturer's installation instructions. This document identifies those models for the AES CAB.

1.3 In Australia, this list is Discover's declaration of the hybrid inverters approved for use with the AES CAB.

1.4 Discover verifies each combination against the cabinet operating voltage, current, battery communication protocol and battery port configuration. **Approved.** Verified by Discover through bench testing with the cabinet, or against the published battery interface of the inverter and a battery communication protocol implemented in the Discover LYNK II gateway.

1.5 Every approved combination is subject to the conditions in Section 4.

2. AES CAB MODELS COVERED

Table 1. AES CAB electrical data

Model	Product name	Model designation	Energy nom. / usable (kWh)	Nominal (V)	Operating range (V)	Max. continuous
CAB-106	AES 106HV	SLL03C2-D1P52S1R2-A01	106 / 104	332.8	312 to 358.8	157 A / 52 kW
CAB-160	AES 160HV	SLL03C2-D1P52S1R3-A01	160 / 157	499.2	468 to 538.2	157 A / 79 kW
CAB-210	AES 210HV	SLL03C2-D1P52S1R4-A01	212 / 209	665.6	624 to 717.6	157 A / 104 kW
CAB-266	AES 266HV	SLL03C2-D1P52S1R5-A01	266 / 261	832.0	780 to 897	157 A / 131 kW

All models use the same 52-cell, 320 Ah LFP battery pack and communicate with the inverter over CAN through the Discover LYNK II gateway.

3. COMPATIBLE HYBRID INVERTERS

Approved inverters are listed by market. Use the table for the market where the system is installed.

3.1 North America (United States and Canada)

Table 2. Hybrid inverter compatibility, North America

Brand	Model	AC output	Compatible AES CAB	Status
Sol-Ark	**30K-3P-208V**	30kW, 208 V	CAB-106	Approved
Sol-Ark	**60K-3P-480V**	60kW, 480 V	CAB-106, CAB-160, CAB-210	Approved
Sol-Ark	**100K-3P-480V**	100kW, 480 V	CAB-160, CAB-210, CAB-266	Approved
Solis	**S6-EH3P30K03-LV-YD-H-US**	30kW, 208 V	CAB-106, CAB-160, CAB-210	Approved
Solis	**S6-EH3P30K03-NV-YD-H-US**	30kW, 480 V	CAB-106, CAB-160, CAB-210	Approved
Solis	**S6-EH3P40K04-NV-YD-H-US**	40kW, 480 V	CAB-106, CAB-160, CAB-210	Approved
Solis	**S6-EH3P50K04-NV-YD-H-US**	50kW, 480 V	CAB-106, CAB-160, CAB-210	Approved
Solis	**S6-EH3P60K04-NV-YD-H-US**	60kW, 480 V	CAB-106, CAB-160, CAB-210	Approved
Solis	**S6-EH3P60K10-LV-YD-H-US**	60kW, 208 V	CAB-160, CAB-210, CAB-266	Approved
Solis	**S6-EH3P75K10-LV-YD-H-US**	70kW, 208 V	CAB-160, CAB-210, CAB-266	Approved
Solis	**S6-EH3P100K10-NV-YD-H-US**	100kW, 480 V	CAB-160, CAB-210, CAB-266	Approved
Solis	**S6-EH3P125K10-NV-YD-H-US**	125kW, 480 V	CAB-160, CAB-210, CAB-266	Approved
Solis	**S6-EH3P150K10-NV-YD-H-US**	150kW, 480 V	CAB-160, CAB-210, CAB-266	Approved
Growatt	**WIT 28K-HU-US L2**	28kW, 208 V	CAB-160	Approved
Growatt	**WIT 35K-HU-US L2**	35kW, 208 V	CAB-160	Approved
Growatt	**WIT 40K-HU-US L2**	40kW, 208 V	CAB-160	Approved
Growatt	**WIT 55K-HU-US L2**	55kW, 208 V	CAB-160	Approved
Growatt	**WIT 50K-HU-US**	50kW, 480 V	CAB-266	Approved
Growatt	**WIT 63K-HU-US**	63kW, 480 V	CAB-266	Approved
Growatt	**WIT 75K-HU-US**	75kW, 480 V	CAB-266	Approved
Growatt	**WIT 100K-HU-US**	100kW, 480 V	CAB-266	Approved
Growatt	**WIT 100K-XHU-US**	100kW, 480 V	CAB-210, CAB-266	Approved
Growatt	**WIT 125K-XHU-US**	125kW, 480 V	CAB-210, CAB-266	Approved
Growatt	**WIT 150K-XHU-US**	150kW, 480 V	CAB-210, CAB-266	Approved

Solis model numbers include the factory -APST variants.

3.2 Australia

Table 3. Hybrid inverter compatibility, Australia

Brand	Model	AC output	Compatible AES CAB	Status
Solis	**S6-EH3P29.9K-H-AU**	29.9kW, 400 V	CAB-106, CAB-160, CAB-210	Approved
Solis	**S6-EH3P30K-H-AU**	30kW, 400 V	CAB-106, CAB-160, CAB-210	Approved
Solis	**S6-EH3P40K-H-AU**	40kW, 400 V	CAB-106, CAB-160, CAB-210	Approved
Solis	**S6-EH3P50K-H-AU**	50kW, 400 V	CAB-106, CAB-160, CAB-210	Approved
Solis	**S6-EH3P80K10-NV-YD-H-AU**	80kW, 400 V	CAB-160, CAB-210, CAB-266	Approved
Solis	**S6-EH3P100K10-NV-YD-H-AU**	100kW, 400 V	CAB-160, CAB-210, CAB-266	Approved
Solis	**S6-EH3P125K10-NV-YD-H-AU**	125kW, 400 V	CAB-160, CAB-210, CAB-266	Approved
Deye	**SUN-29.9K-SG01HP3-AU-BM3**	29.9kW, 400 V	CAB-106, CAB-160, CAB-210	Approved
Deye	**SUN-30K-SG01HP3-AU-BM3**	30kW, 400 V	CAB-106, CAB-160, CAB-210	Approved
Deye	**SUN-35K-SG01HP3-AU-BM3**	35kW, 400 V	CAB-106, CAB-160, CAB-210	Approved
Deye	**SUN-40K-SG01HP3-AU-BM4**	40kW, 400 V	CAB-106, CAB-160, CAB-210	Approved
Deye	**SUN-50K-SG01HP3-AU-BM4**	50kW, 400 V	CAB-106, CAB-160, CAB-210	Approved
Deye	**SUN-60K-SG02HP3-AU-EM6**	60kW, 400 V	CAB-106, CAB-160, CAB-210, CAB-266	Approved
Deye	**SUN-70K-SG02HP3-AU-EM6**	70kW, 400 V	CAB-106, CAB-160, CAB-210, CAB-266	Approved
Deye	**SUN-75K-SG02HP3-AU-EM6**	75kW, 400 V	CAB-106, CAB-160, CAB-210, CAB-266	Approved
Deye	**SUN-80K-SG02HP3-AU-EM6**	80kW, 400 V	CAB-106, CAB-160, CAB-210, CAB-266	Approved
Deye	**SUN-100K-SG02HP3-AU-GM8**	100kW, 400 V	CAB-106, CAB-160, CAB-210, CAB-266	Approved
Deye	**SUN-100K-SG02HP3-AU-GM10**	100kW, 400 V	CAB-106, CAB-160, CAB-210, CAB-266	Approved
Deye	**SUN-125K-SG02HP3-AU-GM10**	125kW, 400 V	CAB-106, CAB-160, CAB-210, CAB-266	Approved

4. CONDITIONS OF APPROVAL

4.1 **Listing.** The inverter must be listed to UL 1741, including Supplement SB for grid-interactive operation in the United States, and certified to CSA C22.2 No. 107.1 for installation in Canada. In Australia, the inverter must comply with AS/NZS 4777.2 and be listed on the Clean Energy Council approved inverter list.

4.2 **Communication.** Closed-loop CAN communication between the cabinet and the inverter through the Discover LYNK II gateway is required. Open-loop operation is not approved.

4.3 **Configuration.** Each inverter connects to one cabinet, or to two cabinets where the inverter has two battery ports. Two inverters connected to one cabinet is not approved. Cabinets are not paralleled on a common DC bus. Systems scale by AC paralleling identical inverter and cabinet blocks within the inverter manufacturer's parallel limit.

4.4 **Power.** Battery power is the lesser of the cabinet rating in Table 1, the inverter battery power rating, and the inverter battery current limit multiplied by the cabinet voltage.

4.5 **Installation.** Install the cabinet per the Discover AES Cabinet Installation and Commissioning Manual and the inverter per its manufacturer's installation instructions. In Australia, install the system to AS/NZS 5139 and AS/NZS 3000.

5. REVISION HISTORY

Revision	Date	Change	Prepared by
B	2026-11-10	Added Australian Deye SG02HP3 and Solis K10 models; CAB-266 for those models.	Tomas Syskakis
A	2026-10-30	Initial release.	Tomas Syskakis