DISCOVER ENERGY SYSTEMS

LYNK CLOUD REMOTE MONITORING

AES CABINET HYBRID INVERTER INTEGRATION

Compatible with Sol-Ark 30K / 60K / 100K Inverters

Discover Energy Systems' CAB-106, CAB-160, and CAB-210 high-voltage outdoor battery cabinets pair seamlessly with the Sol-Ark 30K, 60K, and 100K-3P hybrid inverters, delivering a turnkey energy storage solution ideal for commercial and industrial applications.



Pre-Engineered Compatibility

The CAB-106 is compatible with Sol-Ark 30K and 60K inverters. The CAB-160 and CAB-210 are compatible with the Sol-Ark 60K and 100K inverters, ensuring:

- Direct DC coupling with matched voltage ranges. CAB-106 (332 VDC) within the 30K's 160–500 VDC; CAB-160 (499 VDC) and CAB-210 (665 VDC) within the 60K's 160–700 VDC and 100K's 160–850 VDC.
- The Sol-Ark 100K and 60K output 277/480V three-phase Wye. The Sol-Ark 30K outputs 208V three-phase Wye and includes an integrated MID.
- Closed-loop CANBus control via the LYNK II Gateway for real-time SoC, voltage, temperature, and current reporting.
- Prewired DC distribution and fuse protection for inverter connection. No external DC combiner is required.

Multifamily Dwellings

Charging Stations

Grocery & Convenience Stores

Banks, Hospitals & Schools

Industrial Sites

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Cabinet (Part #)	Nominal Energy Capacity	Usable Energy Capacity	Battery Max. Continuous Power	System Nominal Voltage	System Operating Voltage	Nominal Cell Capacity	Usable Cell Capacity	Max. Continuous Current
AES-106HV *(CAB-106)*	106kWh	104kWh	52kW	332.8V	312 - 358.8V	320Ah	314Ah	157 A(C/2)
AES-160HV *(CAB-160)*	160kWh	157kWh	79kW	499.2V	468 - 538.2V			
AES-210HV *(CAB-210)*	212kWh	209kWh	104kW	665.6 V	624 - 717.6V			

CABINET + SOL-ARK CONFIGURATIONS



Inverter	Configuration (Inverter : Cabinet)	AES-106HV
		AC Output | Usable Storage | Estimated Runtime
Sol-Ark 30K-3P-208V	1 : 1	30kW | 104kWh | 3.5HR
	1 : 2	30kW | 208kWh | 7HR

** Curtailed by battery.*
Note: *Up to 10 Sol-Ark 30K-3P inverters can be paralleled on the AC bus for large-scale systems up to 300 kW / 1+ MWh.*

Inverter	Configuration (Inverter : Cabinet)	AES-106HV	AES-160HV	AES-210HV
		AC Output | Usable Storage | Estimated Runtime		
Sol-Ark 60K-3P-480V	1 : 1	52kW* | 104kWh | 2HR	60kW | 157kWh | 2.5HR	60kW | 209kWh | 3.5HR
	1 : 2	60kW | 208kWh | 3.5HR	60kW | 314kWh | 5HR	60kW | 418kWh | 7HR

** Curtailed by battery.*
Note: *Up to 10 Sol-Ark 60K-3P inverters can be paralleled on the AC bus for large-scale systems up to 600 kW / 2+ MWh.*

Inverter	Configuration (Inverter : Cabinet)	AES-160HV	AES-210HV
Sol-Ark 100K-3P-480V	1 : 1	79 kW* | 157 kWh | 2 HR	100 kW | 209 kWh | 2 HR
	1 : 2	100 kW | 314 kWh | 3 HR	100 kW | 418 kWh | 4 HR

** Curtailed by battery (79 kW continuous max).*
Note: *Up to 10 Sol-Ark 100K-3P inverters can be paralleled on the AC bus for large-scale systems up to 1,000 kW / 2+ MWh.*

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