



AES 210HV

Sol-Ark 60K-3P Inverter Integration

A simple, scalable, and field-proven commercial battery solution.

Discover Energy Systems' AES 210HV high-voltage outdoor battery cabinet is fully compatible with the Sol-Ark 60K-3P hybrid inverter, delivering a turnkey energy storage solution ideal for commercial and industrial applications.

Pre-Engineered Compatibility

The AES 210HV is fully integrated with the Sol-Ark 60K-3P-480V inverter, ensuring:

- Direct DC coupling with matched voltage ranges (AES 665VDC nominal aligns with Sol-Ark's 160–700VDC input).
- Sol-Ark 60K outputs 277/480V three-phase Wye and includes an integrated MID.
- Closed-loop CANBus communication using the included LYNK II Gateway, delivering real-time SoC, voltage, temperature, and current data to Sol-Ark for optimal control and protection.
- Prewired DC distribution and fuse protection for up to two inverter inputs, no external DC combiner required.



**Multifamily
Dwellings**



**Charging
Stations**



**Grocery &
Convenience Stores**



**Banks, Hospitals
& Schools**



**Industrial
Sites**



BUILT FOR EASY INTEGRATION AND FLEXIBLE GROWTH

Sol-Ark Inverters	AES 210HV Cabinets	Power Output	Energy Capacity
1 x Sol-Ark 60K	1 x AES 210HV	60 kW	209 kWh
2 x Sol-Ark 60K	1 x AES 210HV	120 kW (with PV)	209 kWh
1 x Sol-Ark 60K	2 x AES 210HV	60 kW	418 kWh

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.



(120kW/209kWh)*

Grid-Interactive Applications
with 2-hour discharge rates.

**Cabinet output limited to 157A Continuous*



(60kW/209kWh)

Optimized Self-Consumption
with 3.5-hour discharge rates.



(60kW/418kWh)

Complete Off-Grid Support
with 7-hour discharge rates.

Scalable. 200 kWh to 4 MWh.

Pre-assembled. Reducing installation time and on-site cost.

Compatible. With Sol-Ark 60K HV Hybrid Inverters.

Efficient. Liquid Cooling / Heating of Battery Cells.

Year-round operation. Outdoor-rated cabinet (NEMA 3R / IP55)

Optimized. Multi-tiered Battery Management System.

Managed. 24/7 Monitoring and Alerts.

Certified. UL1973, UL9540A, UL9540 DC ESS.

Safe. Heat and Smoke Detection, Ventilation, Dehumidifier, Fire Suppression, Flood Sensor.

Remote Monitoring and Control. Real-time monitoring via LYNK Cloud or on-site diagnostics LYNK Access PC software.

CASE STUDY

Off-Grid Energy Resilience at Springville Foods, PA

A Community Grocery Store Trades Diesel for Clean, Reliable Power with Discover AES 210HV and Sol-Ark.

Location: Eastern Lancaster County, Pennsylvania

Client: Springville Foods

Installer: CB Solar, LLC

Distributor and Technical Design Support: Zonna

Energy Storage System: Discover AES 210HV

Inverter Platform: Sol-Ark 60K-3P-480V (x2)

PV Array Size: 75 kW Ground Mount

Commissioned: April 2025

