

Hybride Outdoor Cabinet met noodstroom



AE LIO

50-60 kW / 200 kWh / 400 V

Unieke kenmerken

- Directe DC input (PV-systeem)
- Inclusief EPS output (noodstroom)
- Modulair uit te breiden tot 20 units



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AELIO C&I ESS CABINET (50-60 kW / 200 kWh)

DC side		
Max. PV input power	100 kW	120 kW
MPPT voltage range	160 ~ 950 V	
No. of MPP trackers / Strings per MPP tracker	5 (2 per MPPT)	6 (2 per MPPT)
AC side		
Rated AC output power	50 kW	60 kW
Rated AC output current	83.6 A	100.3 A
Nominal AC voltage	3P4W, 400/230, 380/220 V	
Battery		
Battery type	LFP 280 Ah	
Nominal capacity	200 kWh	
Discharge depth	90%	
Max. charge/discharge current	160 (80 × 2) A	
General		
Dimensions (with Inverter) (W×H×D)	1311 × 2300 × 1140 mm	
Weight (with Inverter)	2800 kg	
Operating ambient temperature range	-30 ~ 55 °C	
Cooling Concept	Smart air cooling	
Ingress protection	IP54	
Fire Protection	Optional: Aerosol / Novec1230 / Water	
Certifications	IEC62619, IEC63056:2000, IEC61000-6-2&-6-4, IEC62477-1, UN38.3	

Safe

- Four-level fire safety protection
- IP65 protection for Inverter and IP54 for cabinet
- AFCI optional
- AC&DC SPD type II, always guarding the inverter
- Smart IV Curve scan for early panel diagnosis

Robust

- Support both on-grid and off-grid operation
- Robust back-up ability, switch over time <10ms, up to 200% EPS output for 10s
- Support unbalanced loads on three phases

Economic

- Maximum 200% PV oversized input
- Maximum 40A input current per MPPT, support high power solar panel
- Advanced LFP battery, single cabinet with up to 200kWh, expandable to MWh
- Support wireless meter solution

Intelligent

- AI ready, forecasting solar generation and load consumption, smart energy management strategy
- Support smart scene function, intelligent loads management (e.g., Heat pump EV charger)
- VPP ready, Solax cloud supports resource aggregator (2030.5, OpenADR)
- Support Micro-grid and a variety of scenarios
- Support 7×24h remote O&M and schedule deployment



NordiconVolt BV

Dr. Obe Postmastraat 1 | 8602 XV Sneek | Nederland

+31 (0) 854 016 297 | info@nordiconvolt.com | www.nordiconvolt.com