EcoGreenEnergy



- Reduced Operation and Maintenance Costs
- Warranty: 5 years
- Flexibility for Diverse Applications
- Maximized Space Utilization
- Liquid Cooling

EGE GAIA Core 261kWh AIO

Our All-in-One Series offers a compact 261kWh solution designed for versatility and performance. With its high integration and energy density, this system is ideal for scalable energy storage across a wide range of commercial and industrial applications.

• *Features:*

Safe and Reliable:

- IP67 battery packs & IP55 cabinet protection - built to withstand harsh environments
- 1.5h fire resistance with multi-level safety system including single-pack fire isolation

Intelligent and Efficient:

- Built-in EMU for real-time monitoring and smart energy management
- Liquid cooling with intelligent temp control for enhanced efficiency and battery life

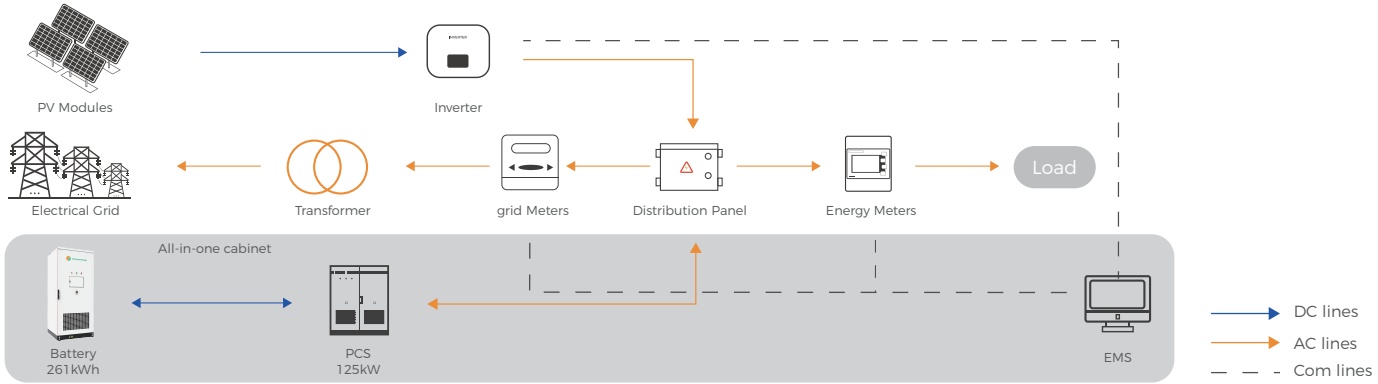
Flexible Deployment:

- Modular design, easy to expand or stack and multi-unit integration
- Plug-and-play setup for fast deployment

• *Certifications*

IEC 62619 | UN38.3 | IEC 62477 | IEC 61000 | GB / T36276

• *System diagram*



EGE GAIA Core 261kWh AIO

Electrical Parameters

Cell Type	LFP-314Ah
Rated Voltage (vdc) of Single Cell	3.2
Pack Configuration	1P52S
System Configuration	1P260S
System Nominal Energy (kWh)	261
System Rated Voltage (vdc)	832
System Voltage Range (vdc)	728-936
System Output Voltage (vac)	400 @ 50Hz / 60Hz ± 2.5Hz
System Rated Power (kW)	125
Charge / Discharge Rate	0.5p @ 25℃

Components

PCS	Integrated
High Voltage Box	Integrated in Control Box
Confluence Cabinet	Integrated in Control Box
Monitoring System (HMI)	Integrated LCD screen
Fire Suppression System	smoke, heat, Li-ion detectors + aerosol gas fire suppression + explosion-proof ventilation
Thermal Management System	Integrated Liquid Cooler (5kw cooling capacity) + Air-cooling for PCS
EMS	Integrated
BMS	Integrated

Environnemental Conditions

Storage Temperature (℃)	-30 ~ 60
Working Ambient Temperature (℃)	-30~50 （＞ 45℃ derating）
Working Relative Humidity (%)	5 ~ 95 (Non-condensing)
Working Altitude (m)	≤ 2000 (＞ 2000 Derating)

Other Parameters

Max.Parallel Sets	20 (parallel connection on-grid) ; 5 (off-grid)
Enclosure Rating	IP55
Communication Interface	RS485, ethernet
Communication Protocol	Modbus/MQTT
Dimensions L*W*H (mm)	1120 × 1350 × 2420
Weight (t)	2.6