Intelligent Power System
Integration Manufacturer

FELIS-PRO-AC261

C&I Energy Storage Cabinet

261kWh

Advanced Fire Protection

Pack-level aerosol suppression triggers instantly on thermal runaway, quenching fires via chemical inhibition, cooling & oxygen isolation against re-ignition.

Wide Compatibility

Compatible with mainstream PV inverters and power grid systems, offering broader application scenarios.

Smart & Efficient

Supports remote monitoring and automatic fault early warning, enabling efficient and hassle-free operation and maintenance.

This product is a lithium iron phosphate (LFP) I&C Energy Storage System designed and manufactured by TFL.
Applicable to factories, commercial malls, industrial parks and other scenarios.

FELIS-PRO-AC261

SAFE | EFFICIENT | RELIABLE | SMART

INTRODUCTION

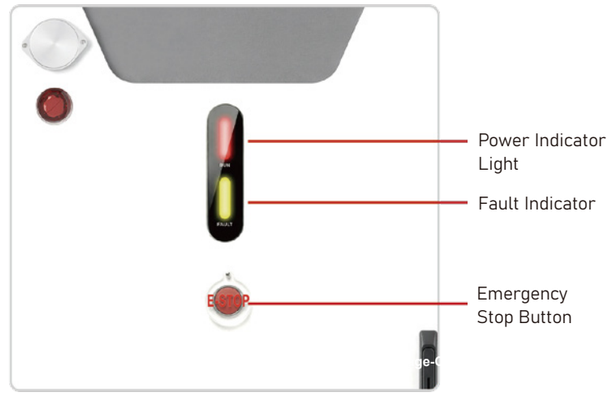
The FELIS-PRO-AC261 liquid-cooled industrial and commercial energy storage system cabinet integrates a power conversion system, temperature control system, fire protection system, battery management system, lithium-ion battery system and dynamic environment monitoring system.The lithium-ion battery system consists of 5 liquid-cooled battery PACKs and a BMS. Each liquid-cooled battery PACK is composed of 52 cells connected in series. The rated capacity of a single cell is 314Ah, equipped with BMU, explosion-proof valve and fuse.The entire FELIS-PRO-AC261 liquid-cooled industrial and commercial energy storage system cabinet adopts an upper and lower compartment layout design.

HIGHLIGHTS

- **Safe** — Multi-level Protection, Fire Linkage
- **Efficient** — Intelligent Scheduling, Cost Reduction
- **Reliable** — Modular Design, Flexible Maintenance
- **Smart** — Remote Monitoring, Cloud-based Management

APPLICATION SCENARIOS

INDICATOR DESCRIPTION



Fire Protection: Temperature & Smoke Detection, Combustible Gas Detection, Explosion-proof Ventilation, PACK-level Aerosol Fire Suppression, Cabin-level Aerosol Fire Suppression, Water Fire Protection

Energy Storage DC	Parameters
Cell Type	Lithium Iron Phosphate
Combination Mode	1P260S
Rated Energy of Energy Storage System	261.248kWh
Standard Charge/Discharge Power	⩽0.5P
Nominal Voltage	DC 832V
Operating Voltage Range of Battery System	DC 715～936V
Maximum DC Current of Battery System	203A

AC Grid-connected

Rated Power of Energy Storage System	125kW
Maximum Output Power	138kVA
Rated Voltage	AC 400V
Grid Voltage Range	400V (-15%～+15%)
Maximum Current	200A
Rated Frequency	50/60Hz
Power Factor	0.99
Current Total Harmonic Distortion	＜2% (at rated power)
Output Wiring Mode	3P+N+PE three-phase four-wire
Overload Capacity	110% continuous operation

AC Off-grid Parameters

Rated Output Voltage	AC 400V
AC Voltage Harmonics	＜3% (linear load)
Rated Frequency	50Hz/60Hz
Rated Output Power	125kW
Maximum Apparent Power	138kVA
Maximum Output Current	200A

System

Topology Structure	Transformerless
AC/DC Protection Devices	AC Moulded Case Circuit Breaker + DC Fuse
Cooling Method	Liquid Cooling
Protection Class	Whole Cabinet IP54
Operating Ambient Temperature	-20℃～55℃ (Derating above 45℃)
Storage Temperature	-20℃～55℃
Operating Relative Humidity	5%～95% (Non-condensing)
Allowable Altitude	≤2000m; Derating required for 2000m～4000m altitude
Communication	RS-485 / CAN / Ethernet
Weight (kg)	2700±50kg
Overall Dimensions (W×D×H)	1100×1400×2350mm

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