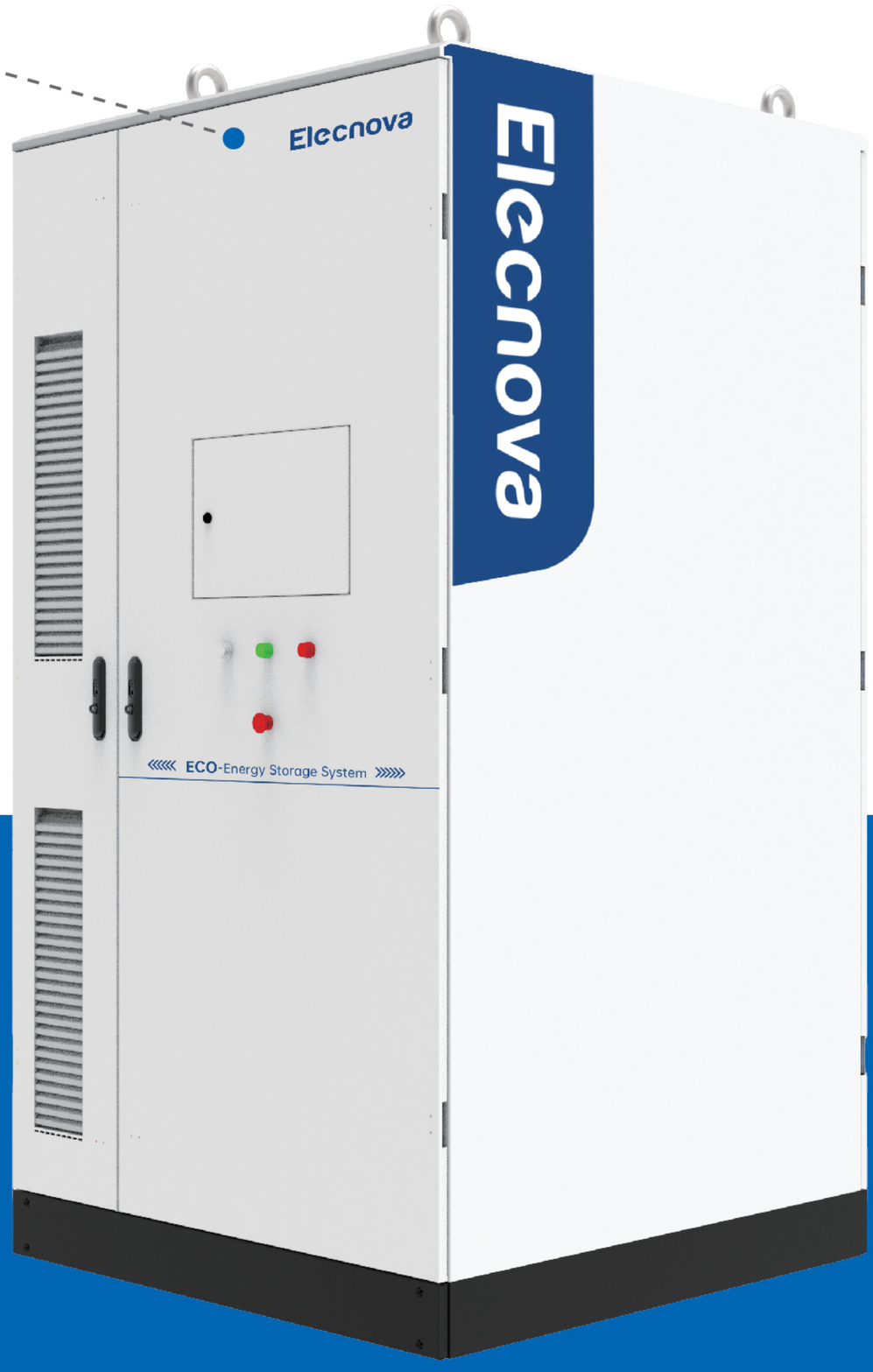
Elecnova

Liquid-cooled Battery Cabinet

ECO-B372LS

Brief

The liquid-cooled battery cabinet adopts advanced cabinet-level liquid cooling and temperature balancing strategy. The cell temperature difference is less than 3°C, which further improves the consistency of cell temperature and extends the battery life. The modular design makes the parallel solution more flexible and can be combined with the centralized PCS to form an ESS with higher energy density, which significantly improves the economy, safety and construction convenience of ESS projects.



Features

Compact

Less footprint compared with air-cooled unit of same energy level.

High Power Density

372kWh energy in one cabinet and ensure long-term endurance.

Efficient

Optimal in-PACK duct design, achieve high-efficient cooling and low energy consumption

Long Cycle Life

Over 8,000 times cycle life, excellent performance of battery system.

Flexible Expansion

Modular design,
simplified parallel expansion.

Ultimate safety

In-PACK and triple-level fire safety, prevent heat runaway

Specifications

Item	Specification
Configuration	1P416S
Rated Energy	372kWh
Rated Voltage	1331.2V DC
DC Voltage Range	1165~1498V DC
PACK Ingress Rating	IP65
Rated Charge/Discharge Rate	0.5C
Maximum Charge/Discharge Rate	0.6C (60s)
Operating Temperature	-20℃~55℃
Fire Safety	Combustible gas detection/smoke detection/temperature detection + Active warning + Module-level fire suppression (Perfluoro)
Ingress Rating	IP55
Cooling	Chiller+in-PACK liquid cooling
Altitude	≤2,000m (derating above 2,000m)
Dimensions (W*D*H)	1,300*1,300*2,400 (mm)
Compliance	UN38.3, IEC62619, UL1973, UL9540