

# OUTDOOR ESS: LIQUID COOLED

## IES 418-L



### Highly Integrated Design

Front access, modular design for easy access, maintenance, and cost effective installations.



### Intelligent O&M

One-click management, remote commissioning, reliable power with reduced onsite workload.



### Profit Maximization

One-on-one management for batteries cluster, reduce thermal risks, prevents inter-cluster issues, enhances stability, lowers costs, and adapts to various scales.



### Comprehensive Safety

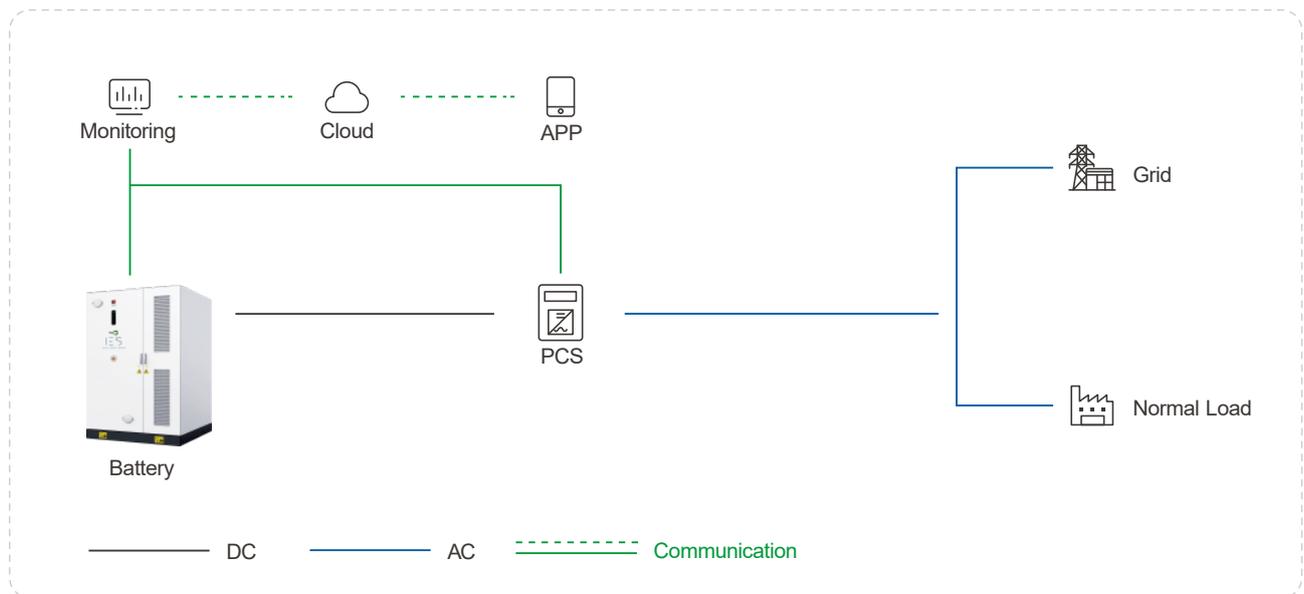
Multi-level warnings (gas/water fire protection, exhaust) ensure safety. Efficient thermal management (temp. diff.  $\leq 3^{\circ}\text{C}$ , rise  $< 7^{\circ}\text{C}$ ) extends lifespan and ensure stability.

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All-in-One: Liquid Cooled IES-418-L	
Cell Technology	LFP-3.2 V / 314 Ah
Battery Pack (Wh/V)	52.25 kWh, 166.4 V
Number of Packs	8
Rated Capacity	IP67
Rated Voltage	418 kWh
Voltage Range	1040 V ~ 1497.6 V
Charge / Discharge Rate	0.5 P
OTHER PARAMETERS	
Dimension (WxDxH)	1500 × 1450 × 2350 mm   59 × 57 × 93 inch
Weight	4200 kg (9240 lbs)
Operating temperature	-30°C~+55°C (-22°F~+131°F) (Derating below - 15°C or above 45°C)
Relative humidity	0 ~ 95% (No condensation)
Maximum working altitude	3000m (> 2000m Derating)
Noise	≤75dB
IP Rating	IP55
Cooling Method	Liquid Cooling
FFS	Aerosol: Module-level + Stack-level, Water Firefighting, Combustible Gas Detection & Exhaust
Communication	CAN / RS485 / TCP
Cycle life	8000 cycles (25 ± 2°C, 0.5P / 0.5P, 70% SOH)
Compliance	UN38.3 / UN3480 / IEC62619 / IEC6100-6-2 / CQC (More available upon request)

## SYSTEM DIAGRAM



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