



L418H C&I Energy Storage System

Hybrid system for PV, grid, diesel and backup power

125kW / 418kWh · Hybrid Liquid Cooling

- High-voltage system (665.6V) ·
- Integrated Deye hybrid inverter +
- EMS + BMS · Liquid cooling

Smarter Energy Management

Challenges

- High peak demand charges
- Limited grid capacity
- Increasing energy costs

Solutions



- Peak shaving & load shifting



- PV + storage integration



- EV charging support

Key Advantages

418kWh Energy
Capacity



⚡ High Voltage

Improve system efficiency
and reduce energy loss



🧩 All-in-One Design

Simplify installation and
reduce integration work



❄️ Liquid Cooling

Ensure stable operation and
longer system lifespan



🔄 Scalable System

Support future
capacity
expansion

Specifications

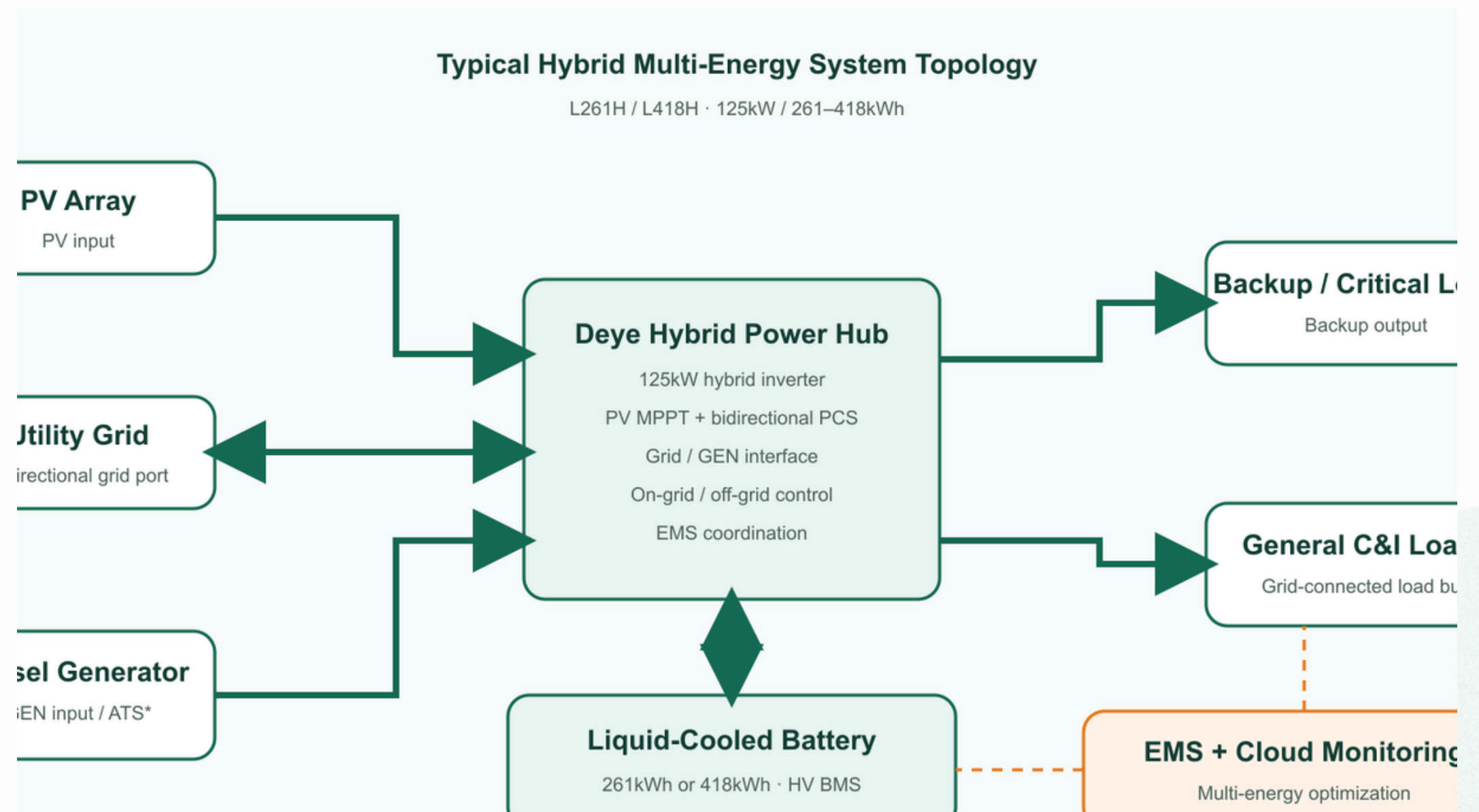
Category	Item	Specification
Battery	Battery Type	LFP 314Ah
	Rated Energy	417.99 kWh
	Rated Voltage	665.6 V
	Voltage Range	561 – 748 V
	Configuration	2P208S
Performance	Cycle Life	≥6500 cycles
	Rated Power	125 kW
	Max Current	200 A × 2
	PCS Max. Efficiency	98.70%
	Charge/Discharge Rate	≤0.5C

AC Output	Grid Voltage	AC 400V
	Frequency	50 / 60 Hz
	Power Factor	-1 ~ +1
	THDi	≤3%
System	Cooling Method	Liquid Cooling
	Communication	CAN / RS485 / Ethernet
	Display	LCD
	Noise	≤65 dB
Environment	Operating Temp	-30°C ~ +60°C
	Humidity	0–95%
	Altitude	≤4000m
	Component Protection	IP54 / IP55

System Architecture

Pre-integrated 125kW / 418kWh hybrid system with inverter, EMS, BMS and liquid cooling

Grid & Renewable Integration



Hybrid System Integration

Energy Storage & Management

Load & Application Scenarios

Applications & Scalability

Flexible System Configuration

- Single unit
- Parallel expansion
- Large-scale deployment



Get in Touch

Looking for a reliable energy storage solution for your project?
Contact us for technical support, pricing, and project consultation.

Certifications

Certification documentation available upon request

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L418H Hybrid ESS

