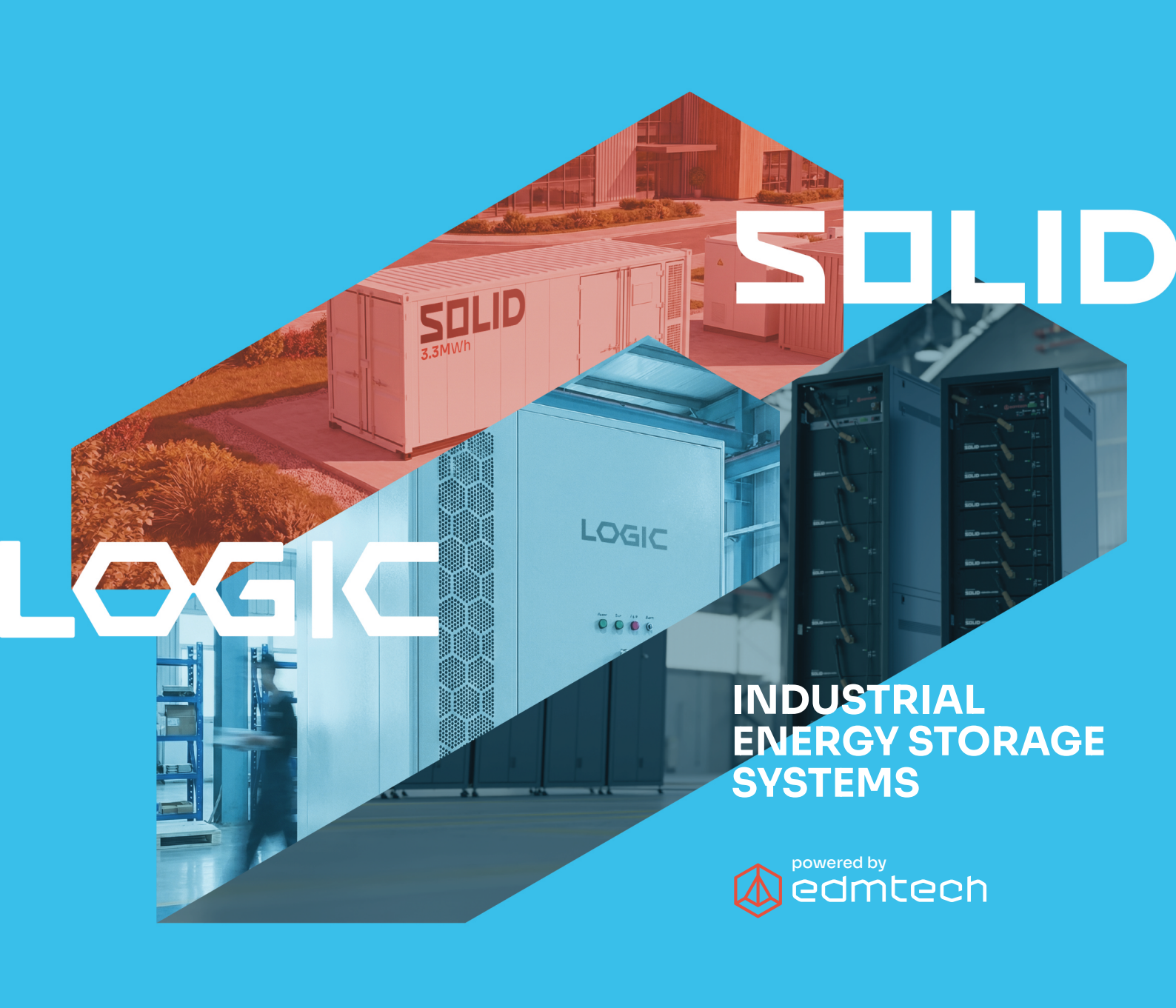




LOGIC

SOLID

INDUSTRIAL
ENERGY STORAGE
SYSTEMS

powered by
 edmtech



We build tailored tech and energy.

We at **EDMTECH** are a full-stack engineering team with expertise in the areas of electronic and mechanical engineering, designing and manufacturing custom solutions in the intersection between energy and technology.

RELIABLE AND PERFORMANT

Our solutions are based on the most resilient technology stacks, using the best cell chemistry, smart management systems and system design.

CUSTOM AND ADAPTABLE

Each product line is designed and implemented to solve each customer's needs, avoiding waste and optimising for the existing infrastructure. Modularity is how we achieve this.

CERTIFIED AND COMPLIANT

We comply fully with all European regulations.

SOLID

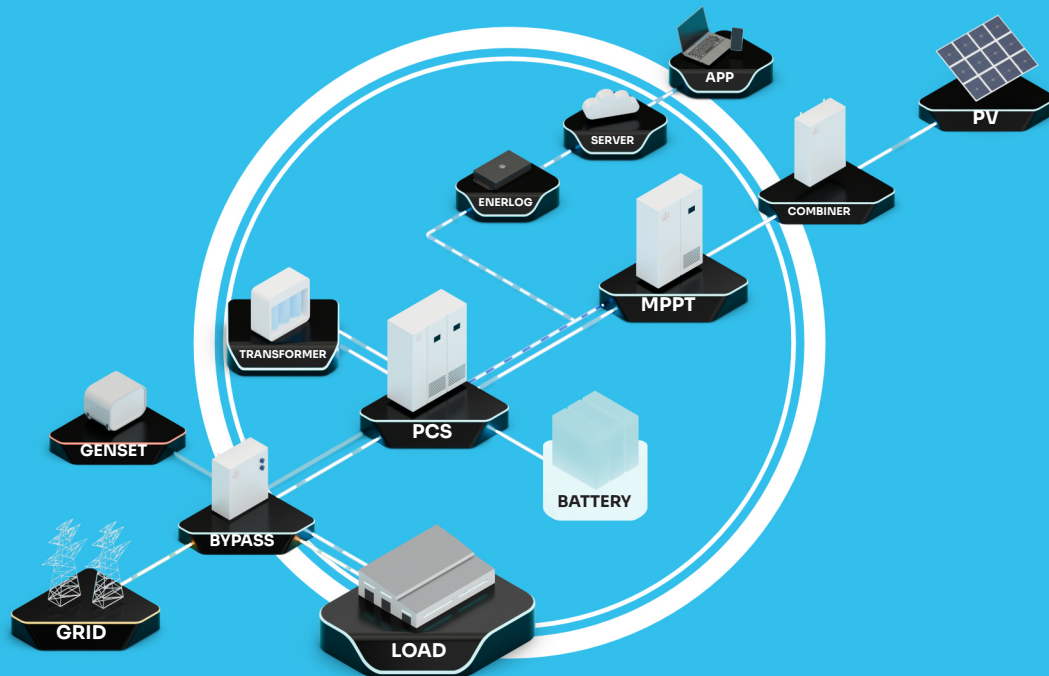
SOLID is a compact, high energy-density battery solution with a wide energy application range.

With modularity at its core, SOLID.R starts at 16kWh for small to medium sized indoor applications, while SOLID.C picks up at 3.3MW, providing a reliable and performant system for large-scale energy installations.

LOGIC

LOGIC is a super-compact, all-in-one energy storage solution with optimized energy density, liquid cooling, integrated fire suppression and built-in inverter.

Ideal for medium-scale installations, it ensures efficiency, safety and simplified deployment.





SOLID^{.R}



Model

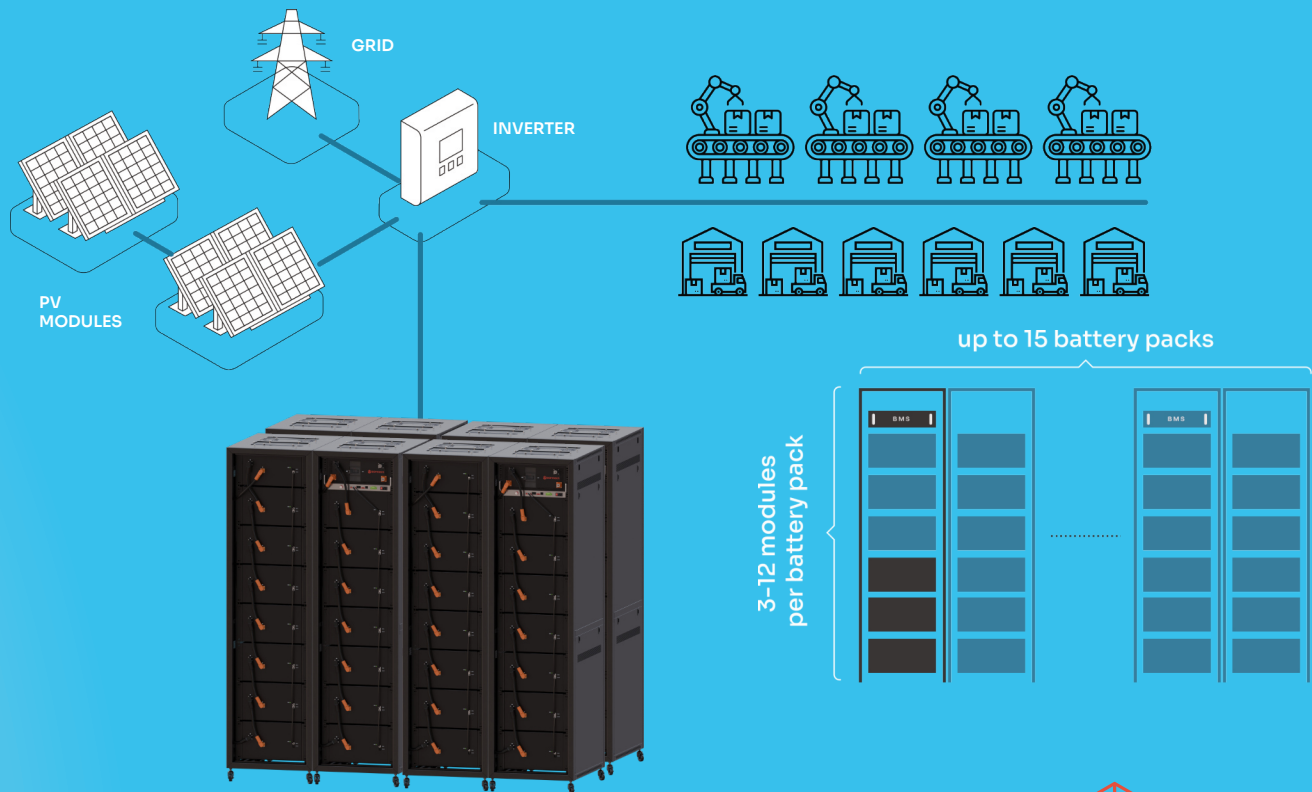
GBB4024-HV314-500CCB0350

Cell Chemistry	LiFePO4
Module Energy (kWh)	16.08
Module Nominal Voltage (V)	51.2
Module Capacity (Ah)	314
Battery Module Qty in Series	3 (Min) => 15 (Max)
System Nominal Voltage (V)	153.6 => 768
System Energy (kWh)	48.23 => 241.152
System Usable Energy (kWh)	43.41 => 217.04
System Operating Voltage (V)	648V - 846 (15 modules)
Charge/Discharge Current (A)	Nominal: 100 / Maximum: 125
Working Temperature (°C)	Charge: 0-55 / Discharge: -20-55
Communication Port	CAN2.0 / RS485
Humidity	5-85% RH
Altitude	≤2000 m
IP Rating	IP20
Dimension (W/D/H, mm)	1060x 850 x 2550 (15 modules)
Weight Approximate (kg)	1960kg (15 modules)
Storage Temperature (°C)	0-35
Cycle Life	25±2°C, 0.5C/0.5C, EOL70% ≥ 8000 cycles
Rack Parallel with SBMS	Up to 15 Racks (15 modules x 15 Rack) 3618 kW
Certification	CE / IEC62619 / UN38.3 / RoHS
Efficiency	90%

SOLID Industrial ESS

SOLID.R is built with safe LiFePO4 technology, offers low self-discharge for extended storage, no memory effect, and reliable performance in varied conditions. An intelligent BMS provides comprehensive protections against overcharge, over-discharge, and extremes while balancing cells.

Flexible and scalable, it supports series and parallel connections for expanded capacity and power. Certified to leading global standards for top-tier safety and compliance.



SOLID^{.C}



Model

EESS630

Cell type	3.2V, 314 Ah
Battery Configuration	1P416S*12
Total energy (kWh)	5015.96
Nominal Power Output (kW)	2500
Voltage range (Battery)	1040 ~ 1497.6 V
Dimensions (W*D*H) mm	6250*2438*2896
Weight	≤42 T
IP rating	IP55 (Pack IP67)
Operating temperature	-20 ~ 50 °C
Humidity	0-95% RH (no condensation)
Cooling method	Liquid cooling / 50% ethylene glycol
Altitude	≤3000 m (Standard) / ≤5000 m (Optional)
Fire fighting system	PACK-level perfluoro; aerosol (optional)
Anti-corrosion degree	C4-M (C5-H alternative)
Communication interface	CAN / Ethernet

High safety

LiFePO₄ cells with high thermal stability. IP55 for outdoor use. C5 protection class for a 20-year service life. Preventive fire strategy with an independent extinguishing system.

Durability

Integrated high-efficiency liquid cooling. Temperature spread inside the container below 5 °C.

High integration

Modular 1000 V / 1500 V design. Electrical control and batteries in separate compartments for easier maintenance. Non-walk-in layout cuts land use by 35%. Ships as a prefabricated unit, reducing installation cost and commissioning time.

SOLID

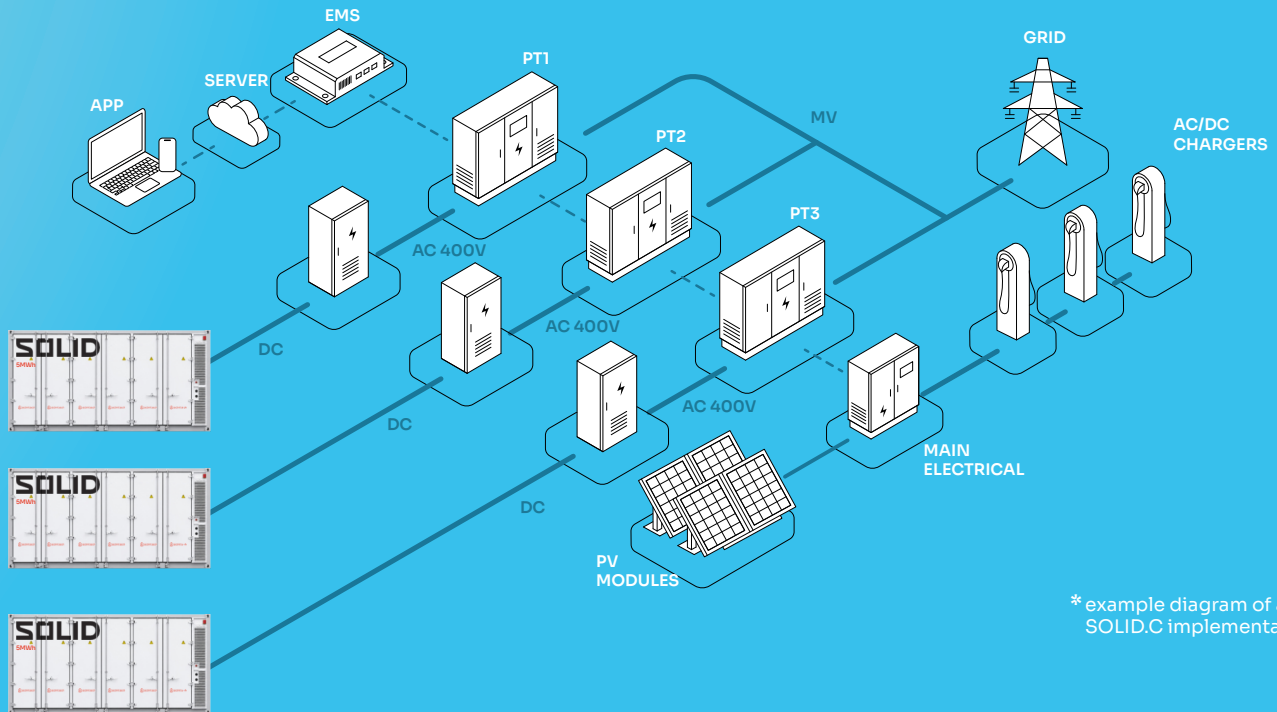


Industrial ESS

Designed for large-scale installations with high energy storage and consumption demands, SOLID.C offers a fully integrated 5 MWh containerized system.

The solution combines a 1500 V DC battery architecture, liquid cooling with 50% ethylene glycol, and pack-level fire suppression in a modular, non-walk-in platform that cuts land use by 35%.

Supplied as a DC container, it pairs with dedicated HV inverters or standard three-phase PCS, and scales in parallel for multi-MWh projects.



* example diagram of a SOLID.C implementation

LOGIC



Model

LOGIC 260-125

Nominal AC Power (KVA)	125
System Capacity (kWh)	260 kWh @25°C, 0.5P
Battery Configuration	1P260S
Cell Chemistry / Specification	LFP 3.2V / 314Ah
Voltage Range (V)	702-936
Nominal Current (A)	180
System Efficiency (%)	≥88
Dimensions (W×D×H mm)	1000×1350×2300
Weight (kg)	2670
Noise	<75 dB
IP Rating	IP54 (Pack IP67)
Cooling Method	Liquid Cooling
Ambient Temperature (°C)	-30 ~ 55
Humidity (%)	95
Max Altitude (m)	2000
Communication Protocol	MODBUS-TCP
Life Cycles	8000 cycles (0.5P, 25±2°C, 70% SOH)
Certification	CE / IEC62619 / UN38.3 / RoHS

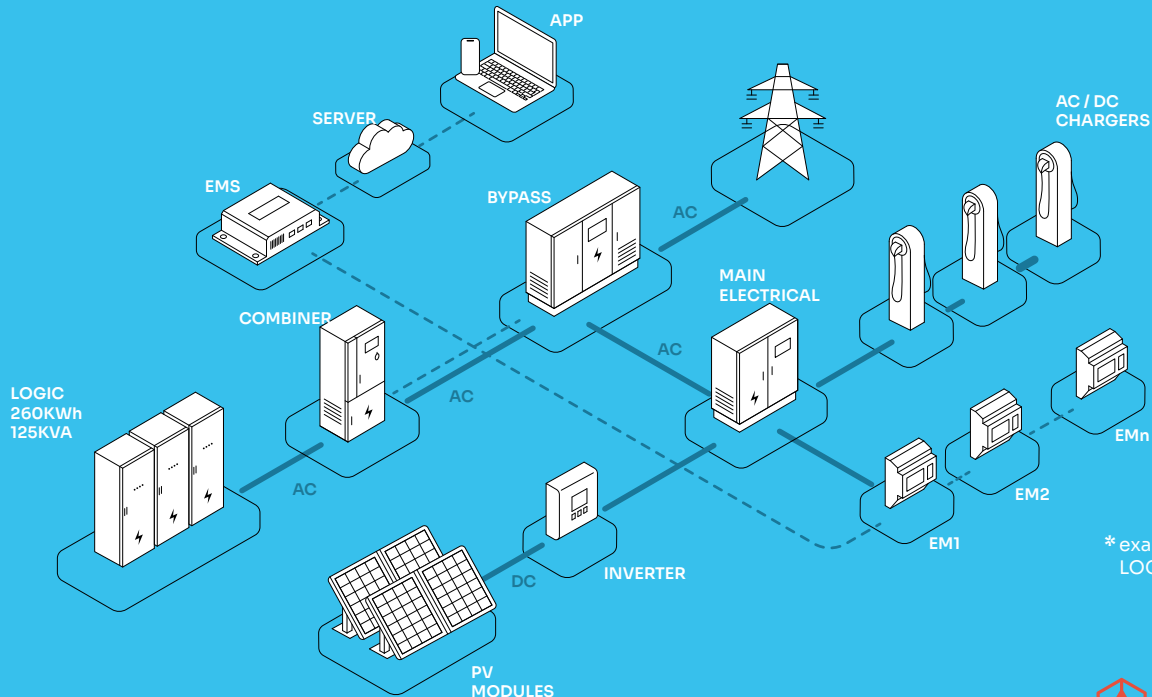


Industrial ESS

LOGIC 260-125 integrates battery, fire protection and liquid cooling into a single sleek cabinet, minimizing space, easing installation, and reducing costs.

Its modular architecture scales seamlessly with parallel units for unlimited power, ideal for industrial and critical applications.

Built for superior durability, it handles extensive cycles while maintaining strong long-term performance. Fully certified.



* example diagram of a LOGIC implementation

LOGIC



Model

LOGIC E418

System Capacity (kWh)	418 kWh @25°C, 0.5P
Battery Configuration	1P416S
Cell Chemistry / Specification	LFP 3.2V / 314Ah
Nominal Voltage (V)	DC 1331.2
Voltage Range (V)	1123.2~1497.6
Nominal Current (A)	157
Charge / Discharge Rate	≤0.5C
System Efficiency (%)	≥88
Dimensions (W×D×H mm)	1300×1350×2300
Weight (kg)	3750
IP Rating	IP54 (Pack IP67)
Cooling Method	Liquid Cooling
Fire Protection	Aerosol, 2-level
Ambient Temperature (°C)	-20 ~ 55
Humidity (%)	95
Max Altitude (m)	2000
Communication Protocol	RS485 / Ethernet
Life Cycles	8000 cycles (0.5P, 25±2°C, 70% SOH)
Certification	IEC62619 / IEC62477

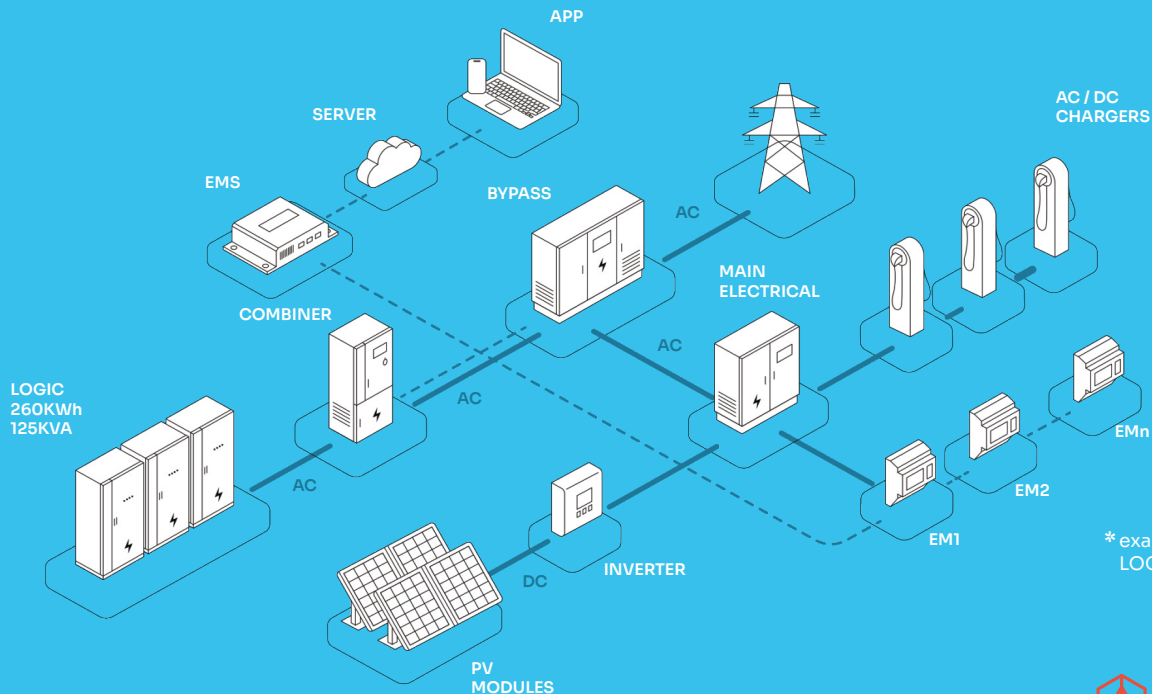


Industrial ESS

LOGIC E418 integrates battery, inverter, fire protection and liquid cooling into a single sleek cabinet, minimizing space, easing installation, and reducing costs.

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* example diagram of a LOGIC implementation

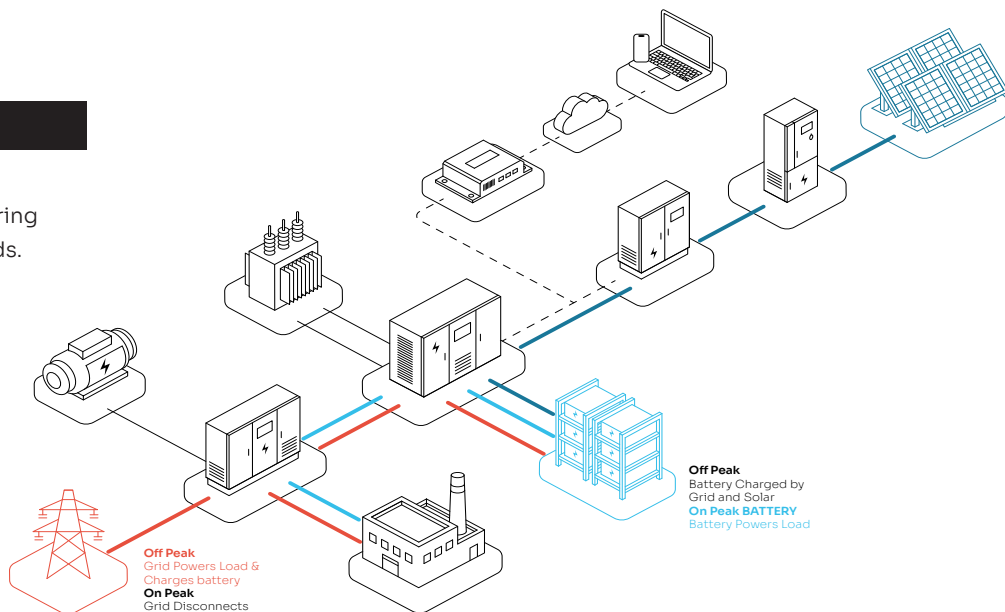


A strong BESS designed for your needs unlocks and coordinates:

1. Power to keep production going, when everyone is stuck.
2. Power to manage energy tariffs and costs.
3. Power to max out your photovoltaic system, no waste.

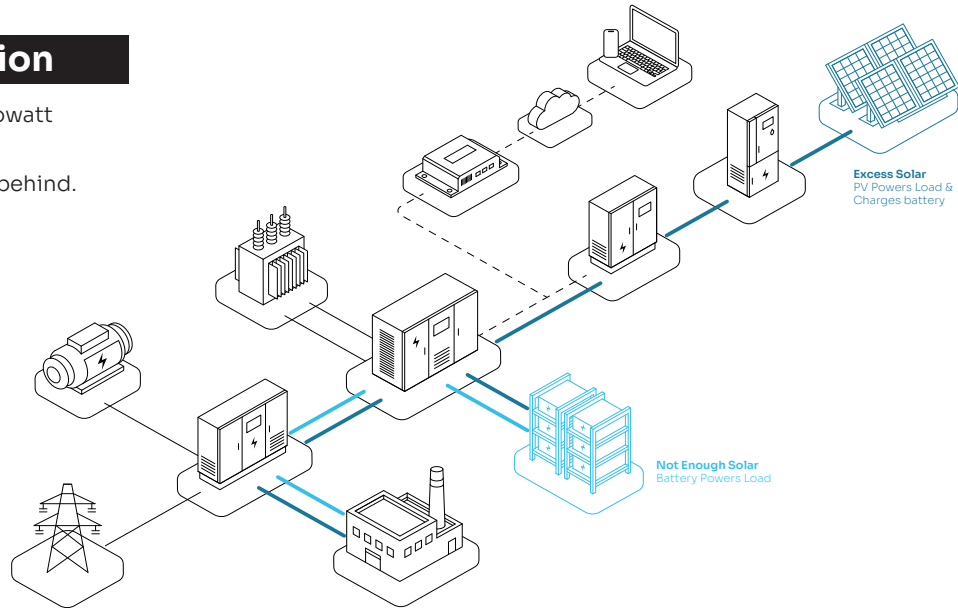
Peak Shaving

Strategically reduce power consumption from the grid during the most expensive rate periods.



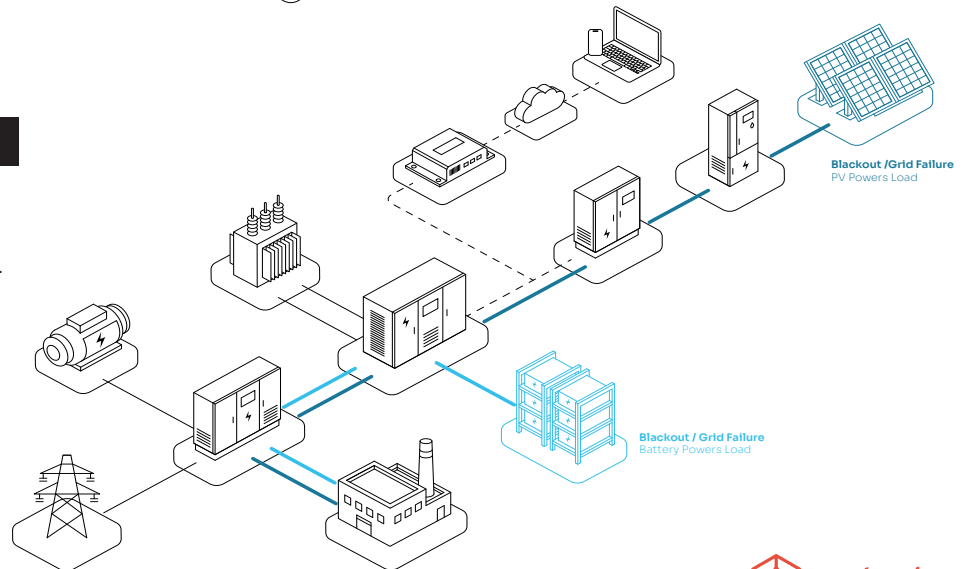
Solar Optimization

Store and deploy every kilowatt your photovoltaic system generates—no energy left behind.



Self Consumption

Minimize vulnerability to grid instability, remote infrastructure challenges, and unexpected outages.



ENERGY FOR LIFE

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