

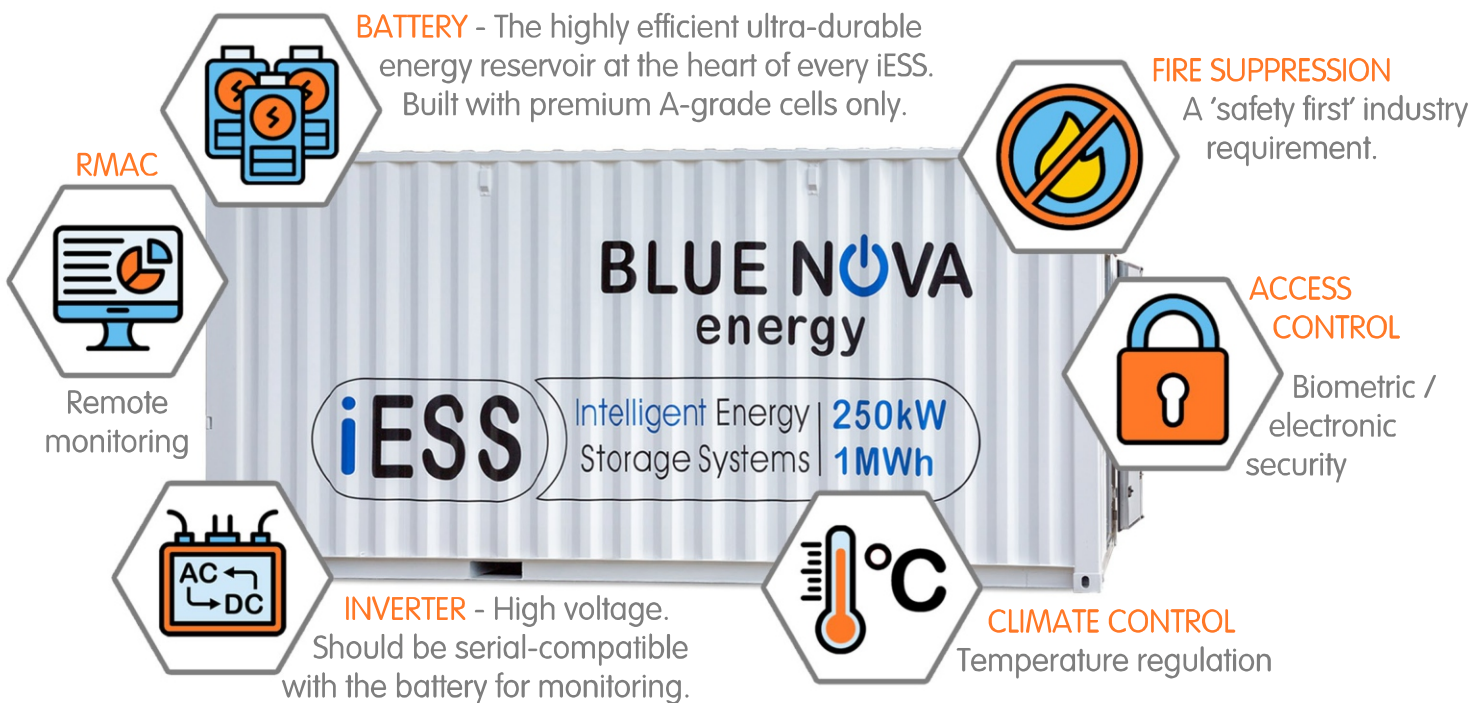
BLUE NOVA energy

iESS

Intelligent Energy Storage Systems

BLUENOVA's FLAGSHIP PRODUCT RANGE

BlueNova's iESS is a multi-functional turnkey containerised energy solution designed to be easily deployable in a wide range of applications. Every iESS is individually engineered based on its own unique set of requirements:



Energy management is continuously evolving alongside advancements in other associated technologies. BlueNova understands that continued innovation is critical in order to maintain production of the premium quality energy storage solutions associated with our brand.



A FEW TYPICAL iESS APPLICATIONS

Load Shifting

Charging the battery from the grid during off-peak tariff times and discharging during peak tariff times. This alleviates grid demand & lowers utility bill costs.

Peak Shaving

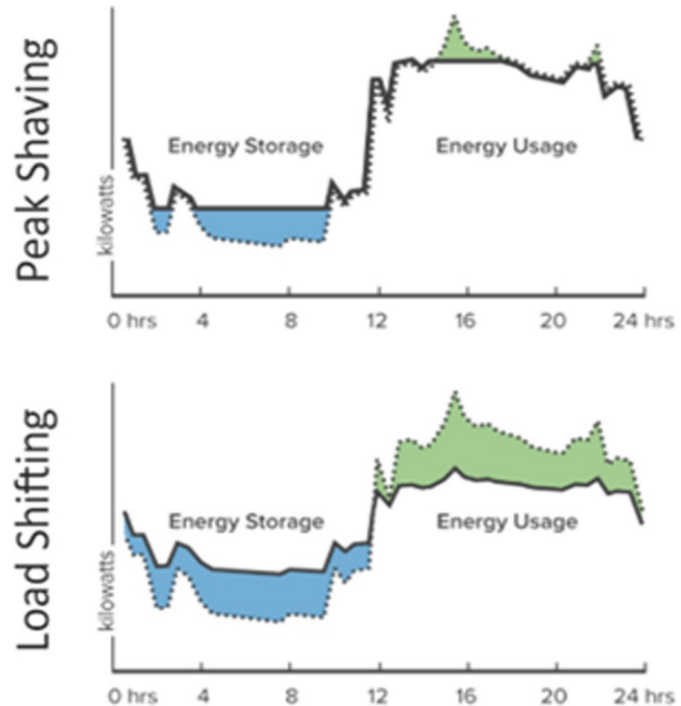
Proactive demand management in an effort to lessen or eliminate the frequency of short-term demand spikes & reduce demand charge cost.

Power Factor Correction

Bringing the network as close as possible to unity through the injection of leading/lagging currents. Additional charges may be avoided this way.

Backup System

Installing a battery from which power can be drawn immediately in the event of grid power failures.



PRODUCT FEATURES

- LiFePO4 high cycle battery
- Integrated AC distribution
- Environmental Management
- Energy Management System
- Battery Management System
- Fire Suppression System
- ISO Containerisation
- Remote monitoring

iESS SCALABILITY

- Power: 100kW / 250kW / 500kW
- Capacity @C10 : 150kWh - 3MWh

CHARGE SOURCE COMPATIBILITY



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Affordable | Reliable | Scalable | Efficient | Safe