GO ELECTRIC EXPEDITIONARY MICROGRID FOR FORWARD OPERATING BASES

Ensure Energy Security and Operational Readiness

Boost On-Base Resiliency and Efficiency Through Advanced Microgrid Control

Reduce Refueling Convoys

MOVE FASTER & FURTHER

Operational Readiness

Mission-critical systems remain powered and ride-through external fault conditions to provide instantaneous power.

Flexible Input & Output

AMMPS compatible.

Use with any 3 phase generator.

Host nation / shore power.

All NATO voltages and frequencies.

Reduce Diesel Use

Up-to 80% diesel fuel saving with hybridized system.

Reduce fuel convoys.

Reduce generator maintenance.

Durable Design

Transportable on unimproved roads or cross country. Designed to perform from -40°C to 40°C.

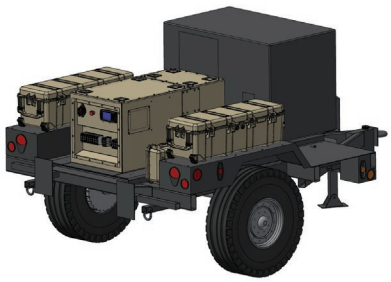
Expandable Energy Storage

Modular battery packs can increase capacity requirements.

WHY GO ELECTRIC?

The expeditionary microgrid system is a modular, scalable ecosystem designed to be deployed for forward operating bases to go further and stay longer. This reliable, safe, and durable power solution is capable of utilizing scavenge power from dissimilar AC and DC generating assets. The design allows for higher capacity with modular and expandable battery energy storage systems.

Our expeditionary microgrid system has a power conversion module that simplifies the requirements for accepting various types of AC and DC inputs. These sources includes domestic or international shore power, AMMPS generators, TQG generators, GREENS and other distributed energy resources (DERs).



10kW / 30kW System

60kW System

The expeditionary microgrid system employs Go Electric's patented AutoLYNC microgrid controller and is already being deployed at Department of Defense (DoD) installations across the country.

Overall, Go Electric's solution allows military forces to move faster and further. Forward operating bases will be able to stay longer utilizing scavenged power and creates less dependency on refueling convoys. This system AutoLYNC microgrid controller will be able to optimizes the different sources and maintain power stability with different kVAR loads requirements. Regardless of the quality of power that is supplied, the system can integrate multi variant three-phase shore power, AC generator power, and DC renewable generation and provide high power quality to AC power loads. The system enables rapid deployment with quick set up and tear down time.

Go Electric

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