



Hybrid Power Supply for PATRIOT A Next Generation Technology

The Hybrid Power Supply is a portable, all-weather diesel generator unit capable of supplying 15 kW AC power as needed for the PATRIOT system.

Survivability, reliability and maintainability were the key parameters for this new development as well as an increased operable temperature range.

The diesel generator unit is self-contained, skid-mounted, modularized and of course adaptable to ground-level, truck, or trailer bed emplacement. The unit includes all electrical and mechanical interfaces to the PATRIOT system and is therefore interchangeable with existing units.

Compared to established systems the fuel consumption as well as the maintenance required is decreased. The already integrated Commercial Power Interface gives the possibility of permanent silent mode with maintenance free operation. In addition thereto the built-in supercapacitors admit a temporary silent mode even during mission in remote areas.



Hybrid Power Supply for PATRIOT

Advantage 1: Generator Set

- Improved EMI Design
- Reduced weight
- Reduced operating cost
- Acoustic noise improvement
- Sand/dust separators
- Improved IR signature
- Bigger fuel tank – up to 24 hours operation
- Extended environmental toughness
- Meets Tier 4 standards

Advantage 3: Integrated Commercial Power Interface

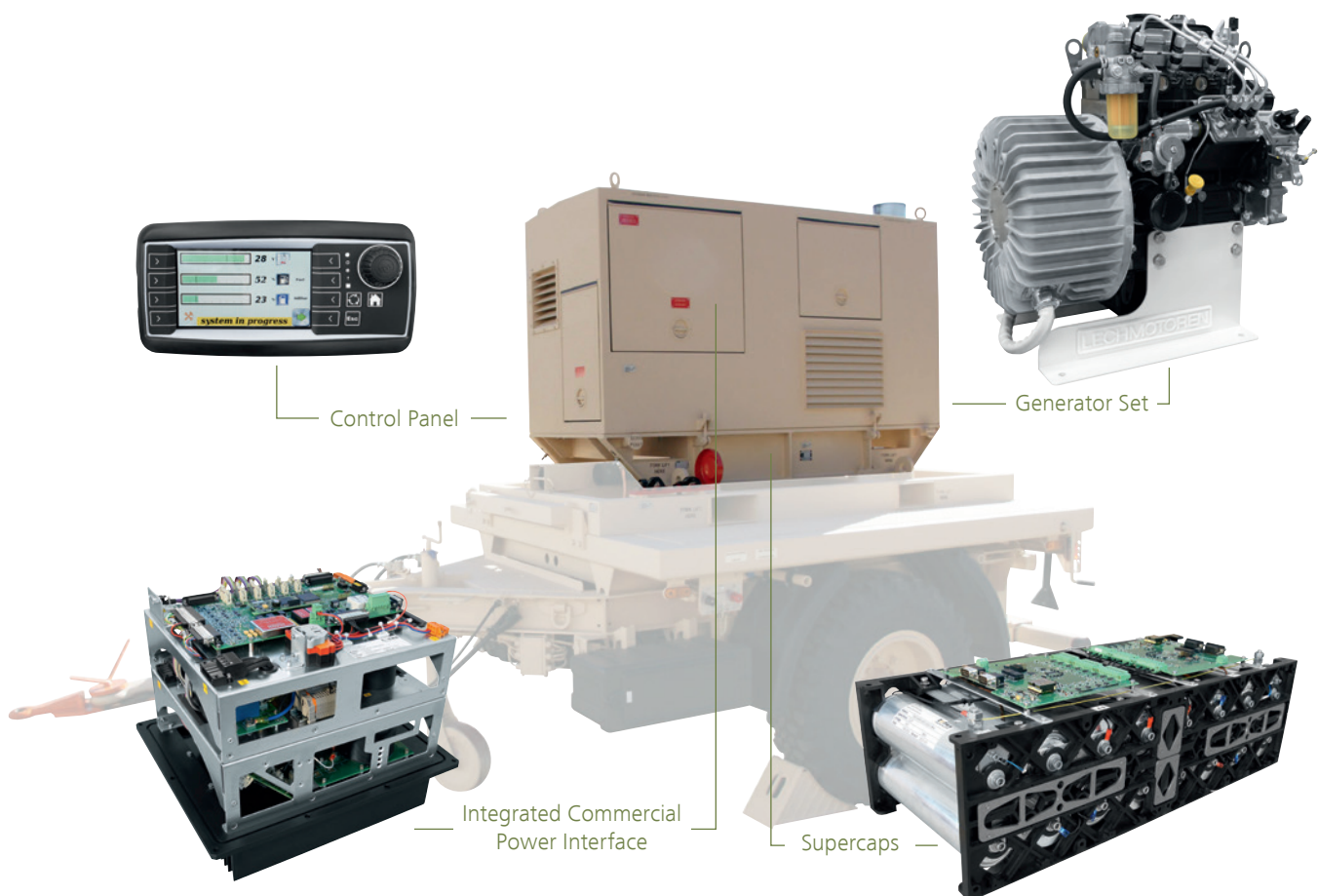
- Designed for 50/60 Hz
- Permanent silent mode
- Great durability without refuelling
- No additional Commercial Power Interface required

Advantage 2: Supercaps

- Hybrid Technology
- Used for peak loads
- Additional power for engine start-up
- Silent mode for up to 15 min without engine noise

Advantage 4: Control Panel

- Modern bus technology
- Improved EMI design to comply with MIL-STD-461E
- Reduced number of lights, controls and indicators
- Information via display
- Good overview



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