



Integrated Starter Generator and Integrated Power Supply Unit

L3 Magnet-Motor's Power Generation System, comprised of an Integrated Starter Generator (ISG) and Integrated Power Supply (IPS) unit, is designed to meet on board and exportable electric power requirements.

L3's system provides engine startup and power generation and includes easily realized performance boost and power upgrade capabilities.

The system is suitable for military applications with high electric power demand, as well as hybrid electric vehicles.



Hawkei photo courtesy of Thales.



JLTV photo courtesy of Lockheed Martin.

KEY FEATURES

- Engine start and onboard power supply
- Replaces starter motor and alternators, belts, fixtures, wiring and flywheel
- Integrated design, compact, water cooled
- Developed and qualified to MIL-STDs
- Engine cranking 400 Nm
- Continuous 30 kW power generation already at low engine speeds
- CAN J1939 interface
- IP 66/67 – 1m fording depth + water spray proof
- Compliant with MIL-STD 461F, 1275D, 810G, 704F

ADVANTAGES

- Robust and reliable – full environmental protection, tested to harsh military standards
- Maintenance-free – no belts, brushes, bearings, lubricants
- High and efficient power generation at low engine speeds