

# Full Electric Battery GPU Series

*Redefine Ground Power. Fully Electric.  
Zero Emissions. Maximum Reliability.*

avro GSE

Best on Ground



Avro's Full Electric Battery Ground Power Units (GPUs) set a new standard in aircraft ground power support – clean, quiet, powerful, and compliant with the world's most rigorous aviation standards.

The Full Electric Battery GPU Series from Avro GSE delivers precision 400 Hz aircraft power using advanced LiFePO<sub>4</sub> battery technology in a mobile, trailer-mounted package. Designed to support narrow-body to wide-body aircraft without onboard engine or APU power, these units offer operational flexibility, reduced environmental impact, and lower total cost of ownership.

## Core Features Across the Series

- **High-Performance Alternators**
- **Intuitive Control Panel** with operator-friendly interface and safety monitoring.
- **Tool-free Access** to major service areas for rapid maintenance.
- **Certified to Global Standards** including EN, ISO, SAE, CE and IATA.
- **Mobile Trailer Configuration** with 30 km/h towing speed for rapid repositioning.

**GP90B GP120B GP140B GP180B**

## Why Go Electric?

- ✔ **Zero Emissions at Point of Use**  
Fully battery-powered operation eliminates onsite fuel combustion and associated emissions.
- ✔ **Quieter Ramp Environment**  
Reduced noise supports airport sustainability goals and operator comfort.
- ✔ **Lower Operating Costs**  
No fuel, simpler maintenance, and fewer moving parts versus traditional diesel GPUs.
- ✔ **Broad Aircraft Compatibility**  
Versatile 400 Hz outputs and optional 28 V DC support meet most narrow and wide-body requirements.



## IN-DEPTH FEATURE HIGHLIGHTS



- **GP90B** Compact Yet Capable
  - Delivers 90 kVA precision power for a wide range of aircraft.
  - Available battery options enhance operational duration to suit your schedule.
  - Easy to position and operate in busy ramp environments.

- **GP120B** Balanced Performance
  - Mid-range capacity optimized for both narrow and larger aircraft.
  - Same dependable build quality with an extended energy reserve.

- **GP140B** High-Demand Power
  - Increased amperage and dual outputs for simultaneous multi-system support.
  - Ideal for busy gates and turnarounds requiring robust electrical reserves.

- **GP180B** Peak Electric Capability
  - Top-tier 180 kVA capacity with high current delivery.
  - Designed for wide-body and high-utilization operations.

MODEL	GPU POWER	BATTERY PACK CAPACITY	AMPERAGE	OUTPUTS	KEY USE CASES
<b>GP90B</b>	90 kVA	75–150 kWh	210 Ah	400 Hz + optional 28 V DC	Regional/medium aircraft ramp operations
<b>GP120B</b>	120 kVA	150 kWh	280 Ah	400 Hz + optional 28 V DC	Mid-sized fleet support
<b>GP140B</b>	140 kVA	150 kWh	315 Ah	Dual 400 Hz	Wide-body support, high throughput
<b>GP180B</b>	180 kVA	150 kWh	420 Ah	Dual 400 Hz	Heavy-duty operations & multiple system power

### Technical Specifications Standard Across Series



#### Power & Recharge

- Input voltage for recharge: 380/415 Vac, 50 Hz.
- Lithium LiFePO<sub>4</sub> battery technology for safety and longevity.

#### Outputs

- Reliable 400 Hz power with optional 28 V DC support where specified.
- Standard 10 m cable sets; other lengths on request.

#### Dimensions & Speed (Typical)

- Max Towing Speed: 30 km/h.
- Width (all models): ~1.68 m; Height ~1.60–1.70 m depending on model.

## Contact Us

For more information or to request a quote: