

GPU 1500/40



Telemeter Electronic

28V GROUND POWER UNIT

The GPU1500/40 was originally developed in 2001 to provide continuous power for avionics use and starting medium sized helicopters and Air-Force PT6 turbine EMB110 Bandeirante aircraft.

This hand portable GPU only weighs 26kg (57lbs), yet incorporates an internal 40A continuous 28V DC output using split 20A power supplies.

The modular design allows easy swap out and field servicing and also allows two GPUs to be paralleled to double the continuous output and battery capacity (GPU1500/40 Twin).

Each GPU is supplied with a power supply LED output monitor for load monitoring and diagnostics, and can be re-charged via its accessory port by any 24 -28V DC aircraft power source, including the aircraft 28V DC bus connector.

The GPU 1500/40 is fitted with solid state voltmeter with 'push to view' button to monitor battery voltage. A spring-loaded output cover ensures the aircraft start unit is cleared for air transportation. Supplied with Nato lead set, input lead and heavy-duty canvas protective jacket.



Supplied as standard with



Typical power plant:*

PT6-27, Arriel, Williams FJ33, GE H80, or power plants of a similar specification



Small turboprop



Free turbine helicopters: police, SAR, Hems, Executive (e.g. Agusta 109, Dauphin, A-star/Ecureil, BK117, S76, AS 350, EC 120B, EC 130B, EC 135, EC 145)



*This information is given in good faith

GPU 1500/40

Specifications

| | |
|-------------------|--|
| Peak amps** | 2400A |
| Nominal voltage | Batteries 24V DC/power supply 28V DC |
| Standing voltage | 25.6V DC |
| Amp/hour capacity | 26 Ah @ 10 hr rate (20°C) |
| Operating temp | -40°C to +45°C. (-40°F to +113°F) |
| Case | Aluminium with shock absorbing feet |
| Voltmeter | Solid state LED, IP65 |
| Aircraft cable | 2m (6ft) with heavy-duty rubber Nato connector |
| Output current | 40A (with internal power supply) |
| Input voltage | 100-132V AC or 200-264V AC/45-400Hz single phase |
| Input current | 8A @ 230V AC 16A @ 115V AC / single phase (typical) |
| Cooling | Forced ventilation |
| Dimensions | H 340mm (13in) L 400mm (15in) W 140mm (5in) |
| Weight | 26kg (57lbs) |
| NSN | 2990-99-6117404 |
| NCAGE | KD628 |

**Peak amps is a theoretical calculation of the instantaneous current from a momentary dead short across the battery terminals. It is not representative of the power delivered at the aircraft plug due to cable losses and other factors. This figure is shown for comparative purposes.

Features

- High powered sealed lead acid AGM batteries
- Cleared for air transportation
- 40A, 28V DC Internal power supply/charger
- Power supply LED status indicator
- Corrosion resistant aluminium case with carry handle
- Controls protected by twin front protection bars
- Spring-loaded output connector cover
- Auxiliary socket for plug-in accessories
- Solid state voltmeter with 'push to view' feature
- Fitted with rubber anti-slip, shock absorbent feet
- Heavy-duty canvas protective jacket

Optional extras



Universal single trolley



13ft Nato lead



24V inspection lamp

Other ground power units available from AERO Specialties



GPU 1700



GPU 2400



Coolspool 17



Coolspool 29



Coolspool 29 Twin



PS30



PS300



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