

# GPU 1500/40 Twin

## 28V GROUND POWER UNIT

Size and weight are important considerations for hand-portable aircraft start units. Situations exist where additional battery capacity and performance is required while retaining the essential benefits of mobility or 'hand-portability'.

The solution, pioneered by Powervamp more than 20 years ago and now adopted throughout the industry, is to connect two units in parallel to create the GPU 1500/40 Twin.

The GPU 1500/40 Twin will deliver 80A continuous output when connected to utility power making this unit ideal for maintenance and lengthy pre-flight checks.

The GPU 1500/40 Twin can be split into separate modules for ease of transport and is designed to be carried on board for emergency power or turbine starting. This aircraft start unit is suitable for starting larger helicopters and business jets where larger turbines or turboprop aircraft require higher instant amperage and longer start cycles.

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.

Each 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 leads and heavy-duty canvas protective jackets.



### Supplied as standard with



### Typical power plant:\*

TPE 331, PT6-67, Makila, TFE 731, LF 507, CF 34, PW 120, PW 308, or power plants of a similar specification



# GPU 1500/40 Twin

## Specifications

Peak amps**	4800A
Nominal voltage	Batteries 24V DC/power supply 28V DC
Standing voltage	25.6V DC
Amp/hour capacity	52 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	80A (with internal power supply)
On-board charger	4 x 20A internal power supplies
Input voltage	100-264VAC / 45-400Hz single phase
Cooling	Forced ventilation
Dimensions	H 1100mm (43in) L 500mm (19in) W 560mm (22in)
Weight	64kg (117lbs)
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
- 80A, 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
- Double trolley
- Heavy-duty canvas protective jacket

## Optional extras



4m (13ft) Nato lead

## Other ground power units available from AERO Specialties



12/24 GA Pack



GPU 1700



GPU 2400



Coolspeed 17



Coolspeed 29 Twin



Coolspeed 260



Coolspeed 410



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