

GPU 1700 Twin

24V AIRCRAFT START 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.

Designed for service in the field, Powervamp's heavy-duty stainless steel cased twin packs are recognized by relief agencies operating in extreme environments as the best portable aircraft start unit for DC aircraft and helicopters requiring a 24V DC or external 24/48V DC parallel/series start, these twin units are in use worldwide.

The GPU 1700 Twin uses two GPU 1700 units connected in parallel by a plug-in polarized heavy-duty cable to double the battery capacity from 32 Ah to 64 Ah for increased starting capability. Using an optional second Nato lead set, the units can be deployed individually or used where an aircraft requires a parallel start.

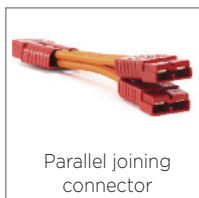
Each unit includes a heavy-duty push/pull isolator switch with replaceable copper contacts ensuring maximum power transfer with minimum voltage drop. The lockable 'R' clip ensures the aircraft start unit is cleared for air transportation.

The GPU 1700 Twin can be split into separate modules for ease of transport. In regular use for emergency power and turbine starting, the GPU 1700 is ideal for providing the first start of the day. Fitted with dual 12V DC automatic 3-stage internal chargers for maximum cell longevity, these aircraft start units will start all APUs and large free turbines.

Each GPU 1700 is fitted with solid state voltmeter to monitor battery voltage and is supplied with a heavy-duty canvas protective jacket.



Supplied as standard with



Typical power plant:*

Makila, PT6-67, Arriel, LF 507, PW 305A, PW 308, or power plants of a similar specification



Corporate jets



Regional airliners (e.g. BAe 146)



20-seat helicopters with shaft turbines (e.g. Cougar and EC225)

*This information is given in good faith

GPU 1700 Twin

Specifications

Peak amps**	3400A
Nominal voltage	24V DC
Standing voltage	25.6V DC
Amp/hour capacity	64 Ah @ 10 hr rate (20°C)
Operating temp	-40°C to +50°C (-40°F to +122°F)
Case	Welded, non-magnetic stainless steel
Voltmeter	Solid state LED, IP65
Aircraft cable	2m (6ft) with heavy-duty rubber Nato connector
Parallel cable	Heavy-duty polarized connector
Charger (2 per pack)	4 x 12V 2.3A 3-stage internal charger/ 90-264V AC/47-63Hz/single phase
Dimensions	H 1120mm (44in), L 555mm (21in), W 465mm (18in)
Weight	61kg (134.4lb) including trolley
NSN	2990-99-789-1831
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 only shown for comparative purposes.



GPU 1700 Twin: PT6-67A start PZL Skytruck

Features

- High powered sealed lead acid AGM batteries
- Cleared for air transportation
- Internal chargers with LED status indicators
- All-welded stainless steel case with removable back panel
- Controls protected by full length handle with reinforced side buttresses
- Aircraft cable with heavy-duty Nato connector
- Heavy-duty output isolator with replaceable contacts
- Security 'R' clip isolator lock
- Auxiliary socket for charging and plug-in accessories
- Solid state voltmeter
- Double trolley
- Heavy-duty canvas protective jackets

Optional extras



Other GPUs and power supplies in the Powervamp range



PS50



PS100



GPU 1500/40



GPU 1500/40 Twin



GPU 2400



GPU 2400 Twin

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ADVANCED POWER SOLUTIONS

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