

# Coolspool 29 Twin

28V 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 to create the Coolspool 29 Twin.

The Coolspool 29 is available in two nominal output voltages, 26V DC or 28V DC. Upper Fadec limits vary according to the manufacturer's software and for this reason two versions of the Coolspool 29 are available.

When compared to a 24V DC start unit of the same capacity, the Coolspool 29 delivers a significantly higher performance, resulting in faster spool-ups and cooler starts impacting directly on turbine life.

The Coolspool 29 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 fitted with an automatic 3-stage internal charger for maximum cell longevity and is suitable for starting larger turbine aircraft and helicopters.

Each Coolspool 29 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, charge lead and heavy-duty canvas protective jacket.

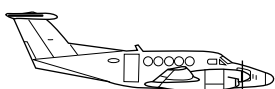


## Supplied as standard with

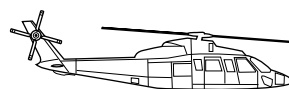
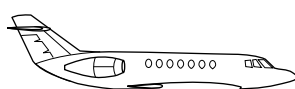


## Typical power plant:\*

TPE 331, PT6-67, Arrius, or power plants of a similar specification



Corporate jets



10-16-seat helicopters with shaft turbines

# Coolspool 29 Twin

## Specifications

Peak amps**	4800A
MDA**	1300A
Nominal voltage	26V or 28V DC depending on model
Standing voltage	27.8V DC or 30V DC depending on model
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	6ft with heavy-duty rubber Nato connector
Parallel cable	Heavy-duty polarized connector
Charger	2 x 1.9A 3-stage internal charger/ 90-264V AC/47-63Hz/single phase
Dimensions	H 1100mm (43in), L 500mm (19in), W 560mm (22in) (including trolley)
Weight	70kg (154lb) including trolley
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.  
 \*\* MDA: Maximum Deliverable Amps. This figure is the actual peak current available at the aircraft plug based on Powervamp's load bank tests. It is UNIQUE to this Powervamp product. Powervamp can substantiate this figure with documented test results. Test conditions - Temperature: 20°C/68F, Lead Type: Powervamp 2 metre NATO, Minimum Voltage: 16 volts (at aircraft plug).

## Features

- High powered sealed lead acid batteries
- Internal chargers with LED status indicator
- Corrosion resistant aluminium case with carry handle
- Controls protected by twin front protection bars
- Aircraft cable with heavy-duty Nato connector
- 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 jackets

## Optional extras



Coolspool 29 Twin: starting Lynx Wildcat



## Other hand-portable GPUs and ramp carts in the Powervamp range



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