



# Coolspool 29

**Genuine 28 volt DC Power. Faster, cooler starts – increased power**

Through skillful design and new manufacturing techniques, the 29 amp/hr Powervamp Coolspool 29 GPU delivers a stunning improvement in turbine starting performance, within an overall footprint identical to Powervamp's 1500/40 GPU and with very little weight penalty. Designed to have an off-charge voltage of 30–31 volts, this unit gives faster spool-up performance, cooler starts and a faster, more positive response with system operations, all of which directly affect turbine life and system reliability.

With today's voltage-critical aircraft, the higher 'standing voltage' of the Coolspool 29 eliminates the problem of heavy inrush currents causing momentary voltage collapse to below tight FADEC limits. The Coolspool range therefore enables the powering up of many aircraft systems that previously could only be activated with the generator on line. The pre-flighting and cycling of systems, particularly where aircraft are configured for rapid deployment with role equipment already on line, are typical examples where the higher voltage can prevent shut-down on start-up.

The new Coolspool 29 has a built-in mini-charger. Connecting any 110/220 volt domestic appliance lead into the GPU will automatically activate the integral 3-stage charger. A 3-colour LED indicates charging status and a solid-state digital voltmeter, with push-to-view button and timed auto shutdown, accurately displays voltage.

Cleared for air transportation, the Coolspool 29 delivers the voltage and power of Aviation Ni-cad batteries with the maintenance-free flexibility of the lead acid battery.

## Specification

Capacity Amp/hour	29		
Short circuit current (approx)	2400 amps		
Standing voltage (off charge)	29 volts (nominal)		
Re-charge voltage	32–33 volts		
Charge time with internal mini-charger from 60% discharge	9 hours		
Internal charger	Mini 3-stage fully-automatic dual 110/220 50/60 Hz auto selecting capacity of 1.9 amps		
Re-charge time using optional 10 amp charger from 80% discharge	2-3 hours		
Case	Powder-coated light alloy with neoprene shock-absorbing feet		
Safety	Spring-loaded sliding cover protects output socket		
<b>Height</b>	<b>Length</b>	<b>Width</b>	<b>Weight</b>
11.81in (300mm)	15.75in (400mm)	5.31in (135mm)	66 lbs (30 kgs)

## Features

- Solid state digital voltmeter with "push to view" button and watchdog timer for cell protection
- Internal self-contained mini-charger with multi-colour LED charge status display
- Stainless steel sliding safety cover
- Safe for air transportation
- Operates in any position (inverted NOT recommended)
- Padded jacket for GPU/aircraft protection
- Neoprene anti-shock/anti-slip feet
- Can be ganged together to double output
- 10 amp accessory socket for work lamp/solder iron etc
- 2-metre mains input cord
- 2-metre heavy duty double insulated output cable with rubber Nato plug

## Options

- Lightweight or heavyweight trolley
- 24/28 volt work lamp
- Rapid external charger: 10 amps or 80 amps
- 1000 amp cast brass colour-coded and braided alligator clips with 2-metre leads

## Also available

Coolspool 17<sup>1</sup> Coolspool 52\* Coolspool 130\* Coolspool 260\*  
<sup>1</sup>with e-stage mini-charger \*with integral 28v power supply

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