



Typical power plant:*
Arrius 2F, Rolls-Royce
250

Coolspool 17

FEATURES

- Solid state digital voltmeter (push-button operated) with 2-minute auto-shutdown
- Internal self-contained mini charger with multi-colour LED charge status display
- S50 auxiliary/accessory port
- Padded jacket for GPU/aircraft protection
- Safe for air transportation
- 2-metre (6ft) mains input cord
- 2-metre (6ft) output cable with heavy-duty rubber Nato plug

OPTIONS

- 1000 amp cast brass colour-coded and braided alligator clips with 2-metre (6ft) leads
- 30 amp fast charger/combined power supply

ALSO AVAILABLE

- Coolspool 29
with 3-stage mini charger
- Coolspool 130 (battery cart)
with integral 28V power supply
- Coolspool 260 (battery cart)
with integral 28V power supply
- Coolspool 410 (battery cart)
with separate charger
- Coolspool 580 (battery cart)
with separate charger

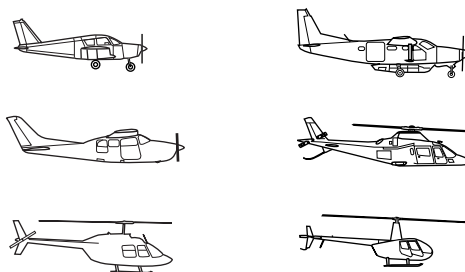
The advanced Powervamp Coolspool 17 is a state-of-the-art portable mini GPU designed as a lightweight emergency starting GPU for piston aircraft and light/medium turbine helicopters. The Coolspool 17 has power, performance and features that far exceed any other comparable mini GPU.

With a nominal voltage of 26–28 volts (for Eclipse-type aircraft) or 28–30 volts DC (for aircraft with a higher upper voltage limit – typically for single turbine helicopters), spool-up performance of this 17 amp/hr pack is more than 12% faster than a similar capacity 24V unit, with minimum weight penalty. Faster spool-ups mean cooler starts, aiding engine life. The Coolspool 17 has its own built-in mini charger. Connecting a 110/220V power cord to the unit 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 output voltage.

The Coolspool is cleared for air transportation when protected from short circuit by its special padded protective jacket. It is designed to work alongside Powervamp's 30 amp mini DC power supply. When operating in parallel, the two units offer a unique lightweight combination of performance and versatility.

SPECIFICATIONS

Output voltage	29–30V DC.	Optional lower voltage model: 26–28V	
Capacity amp/hr	17A		
Peak amps	1800A		
5 sec pulse	680A		
Pulse watts	18,920W		
Recharge from 80% DOD (internal charger)	8 hrs approx		
Charger type	Mini 3-stage fully-automatic dual 110/220V 50/60 Hz auto selecting capacity of 1.9 amps		
Case	All alloy welded with screw back and lie-flat handle		
Finish	Powder-coated yellow		
Height	Length	Width	Weight
250mm (10in)	370mm (14in)	95mm (4in)	18kg (40lbs)



Occasional use – single turbine civil helicopters, piston twins

*This information is given in good faith

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Coolspool 29 and 58

Typical power plant:*
TPE 331, PT6-67, Arrius

The 28 volt (nominal) 29 amp/hr Powervamp Coolspool 29 portable GPU was developed for larger turbine aircraft and helicopters where portability requirements limit weight and size, but the need to maintain voltage above minimum FADEC limits during the start cycle is critical. This requirement demands that the GPU voltage is at the top of the FADEC upper limit before starter engagement.

When compared to a 24 volt GPU of the same capacity, the Coolspool 29 typically delivers a stunning 30% increase in performance (watts) for the same amperage. With an off-charge voltage of 30 volts, the GPU delivers faster spool-ups, cooler starts and a faster, more positive systems response, which benefits turbine life and system reliability.

The Coolspool 29 has a built-in mini charger. Connecting any 110/220 volt power cord 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.

SPECIFICATIONS

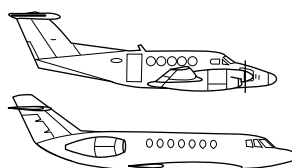
	Coolspool 29	Coolspool 58		
Capacity amp/hr	29	58		
Short circuit current (approx)	1800 amps	3600 amps		
Standing voltage (off charge)	29 volts (nominal)	28		
Re-charge voltage	32–33 volts	32–33 volts		
Charge time with internal mini charger (from 50% depth of discharge)	7 hours	7 hours		
Internal charger	Mini 3-stage fully-automatic dual 110/220V 50/60 Hz auto selecting capacity of 1.9 amps			
Re-charge time using optional 1 x 30 amp charger from 80% discharge	1 hour	Optional 1 x 30amp charger and yoke, from 80% discharge: 2 hours		
Case	Powder-coated light alloy with neoprene shock-absorbing feet			
Safety	Spring-loaded sliding cover protects output socket			
	Height	Length	Width	Weight
Coolspool 29	300mm (12in)	400mm (16in)	135mm (5in)	30kgs (66lbs)
Coolspool 58	300mm (12in)	400mm (16in)	270mm (11in)	60kg (132lbs)

FEATURES

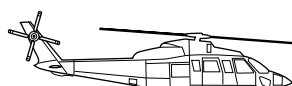
- Solid state digital voltmeter with push-to-view button and watchdog timer for cell protection
- Internal self-contained mini charger with multi-colour LED charge status display
- Stainless steel sliding safety cover
- Safe for air transportation
- Operates in any position (inverted NOT recommended)
- Padded jacket for GPU/aircraft protection
- Neoprene anti-shock/anti-slip feet
- Can be ganged together to double output to create Coolspool 58
- 10 amp accessory socket for work lamp/solder iron etc
- 2-metre (6ft) mains input cord
- 2-metre (6ft) 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 (6ft) leads



Corporate jets



10-16-seat helicopters with shaft turbines

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