

# Coolspool™ GPU range

**Powervamp™**

## From 17 to 580 amp/hour capacity 28v GPUs: Environment-friendly power – no noise, no pollution, no maintenance

In response to the needs of many regional airlines, business jet operators and FBOs for a self-contained 28 volt DC power source, Powervamp developed its range of highly successful Coolspool heavy-duty battery carts now used by aircraft and helicopter operators worldwide.

Designed to deliver the instant high amperage required for turbine starting, Powervamp's Coolspool GPUs, depending on the amp/hour of the model, can be used to provide the smooth 28 volt DC power required for pre-flight checks, avionics programming or maintenance. They are ideal for crew training, aircraft turn round/cabin cleaning (where power can be required for anything from a few minutes to several hours) or where noise curfews or the lack of any electrical supply prohibit any other method of powering the aircraft DC systems.

Unlike a diesel GPU, the Coolspool battery carts are simply re-charged after use. There are no expensive diesel fuel costs, no noisy exhaust or pollution – and no maintenance. Direct cost comparisons between a diesel GPU and a Coolspool battery cart will typically show massive savings with some operators amortising the Coolspool GPU in less than 6 months while benefiting from the favourable impact of using environment-friendly equipment.

The modular design of the battery pack allows rapid swap-out if necessary. Batteries are sealed, maintenance-free and cleared for air transportation if required. Able to be used by personnel with the minimum of technical knowledge, Coolspool GPUs are easy to operate and repair. The Coolspool battery cart range is therefore perfect for remote operations, ramp/hangar duty or regular line operations. Unlike diesel GPUs which need regular maintenance, the Coolspool battery carts need only a 110/220 volt single phase power supply for re-charging.

While the larger ramp carts have an integral charger/power supply, for operators with multiple aircraft movements relying on several Coolspool carts, Powervamp can supply a remote multi-charge station which allows several battery carts to be simultaneously re-charged. Because the special cells have no memory effect, carts not in use can be recharged at any time.



Coolspool 580

### Specification

**The Coolspool range is supplied to the following specification:**

From 17 amp/hour mini pack to 580 amp/hour commercial ramp battery carts

**Nominal voltage:** All Coolspool GPUs are genuine 28.5 volts nominal (not 24 volt nominal) output

**Max starting current (peak amps):** from 1200 to 6000 plus amps

**Cell type:** high power – high performance sealed, starved electrolyte or VRLA gas recombining lead-acid cells connected in series to deliver 28v. All cleared for air transportation.

**Leads:** 4-metre-long heavy-duty double-insulated 75mm section output cable with heavy duty rubber nato plug

**Ground power/charging detection:** an internal 100 amp current limited power supply/charger with 2 position voltage selector for continuous ground power to aircraft or unit charging



Coolspool 350



Coolspool 260



Coolspool 58 (2 x Coolspool 29 in parallel)





Coolspool 17

### Features\*

#### Simple controls:

- Heavy-duty push/pull (emergency) isolator switch

#### Simple indication:

- Digital voltmeter for GPU output voltage display
- Charge ammeter indicating charger output
- LED status display of power supply

#### General:

- Hard wearing powder-coated yellow finish
- Spare wheel (side mounted)
- Foot operated parking brake
- Fire extinguisher supplied (only if shipped by road due to air transport regulations)
- 12 months warranty against faulty parts or labour (batteries are on a proportional warranty based on usage over time)

\*Features vary according to model

### Range options

Model	Dimensions*	Integral power supply	Weight	Capacity (Amp/hours)	Output cable lengths
Coolspool 580	150cm x 82cm x 95cm height	100 amps	560 Kg	580	4m standard
Coolspool 350	150cm x 82cm x 95cm height	100 amps	477Kg	350	4m standard
Coolspool 260	106cm x 72cm x 71cm height	100 amps	270 Kg	260	4m standard
Coolspool 130	106cm x 72cm x 71cm height	100 amps	157 Kg	130	4m standard
Coolspool 58	30cm x 40cm x 270cm (without trolley)	not available**	60 kg	58	2m standard
Coolspool 29	30cm x 40cm x 135cm	not available**	30 Kg	29	2m standard
Coolspool 17	25cm x 37cm x 95cm	not available**	18 Kg	17	2m standard

\*allow an extra 10cm for handle during transportation)

\*\* Optional separate power supply/fast charger available



Coolspool 29



Coolspool 350



Coolspool 260

# Powervamp™

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