

Coolspool 410

28V DC BATTERY RAMP CART

The Coolspool 410 28V DC battery cart is designed for use on DC regional jets (ERJs) and DC turboprop aircraft in scheduled airline services. Using maintenance-free ultra- high-discharge TPVRLA (thin plate valve regulated lead acid) batteries, the Coolspool 410 delivers the combination of instant high amps for starting with the key feature of guaranteed pure DC waveform, essential for the highly sensitive electronics on some modern DC aircraft.

The Coolspool 410 battery cart has proved itself as a direct replacement for diesel ground power at the ramp. Operating at a fraction of the cost of a diesel GPU, the Coolspool 410 delivers huge cost savings for airlines.

Its zero carbon footprint and noiseless operation also benefit operators with its environmental and marketing advantages, while its total silence significantly improves the working conditions of ramp personnel through the absence of fatiguing noise.

Proven over many years of service since their first introduction more than 12 years ago, the large Coolspool carts are rapidly gaining in popularity as regional airlines in the Caribbean, Pacific, South America, the UK and Europe expand their turboprop fleets and seek ways to reduce operating costs.

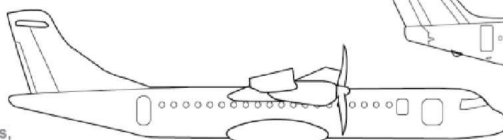
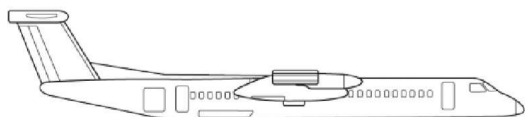
With its low initial capital investment and very low operating costs, the Coolspool 410 has proved to be the perfect GPU where new destinations or infrequent services demand cautious investment.

The simplicity of operation and lack of maintenance makes the Coolspool 410 ideal for use at smaller airports, where gate agents or airline personnel often perform multiple tasks.

At major hubs, a regional airline with multiple departures using the Coolspool 410 as the source of its ground power can expect to experience substantial annual fuel and maintenance savings.



Typical power plant:* DC regional jets and turboprop airline operations PT6C-67, TPE 331-12, RR Dart 356, RR AE3007A, PW121, PW127, PW150A, ALF 502, CF34B, BR710, or power plants of a similar specification



All regular line ops, 30–80 seat airline DC turboprops, Mil transports. Regional airports, FBOs, pre-flight and start

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Specifications

Peak amps**	4700A
Nominal voltage	26V or 28V DC depending on model
Standing voltage	27.8V DC or 30V DC depending on model
Amp/hour capacity	410 Ah @10 hr rate (20°C)
Operating temp	-40°C to +50°C (-40°F to +122°F)
Case	Galvanised steel frame with alloy panels
Voltmeter/Ammeter	Solid state LED, IP65
Aircraft cable	4m (13ft) with heavy-duty rubber Nato connector
Tow eye dimensions	50mm (2in)
Dimensions	H 950mm (37in) W 812mm (32in) L 1500mm (59in)
Weight	500kg (1,102lb)
NCAGE	KD628

External BC80 Charger

Type	75A 2-stage external charger 180-264V AC/47-63Hz/single phase
Input current	16A @ 230V AC 20A @ 180V AC/single phase (typical)
Input cable	1m with 16A 3 pin 6h blue plug
Cooling	Forced ventilation
Protections	Thermal, current overload, short circuit, over voltage
Dimensions	L 435mm (17in) x W 135mm (5in) x H340mm (13in)
Weight	11kg (24lb)

** 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.

Features

- High powered sealed lead acid AGM batteries
- Cleared for air transportation
- 75A, 28V DC external charger with harsh environment input cable and plug
- Engine start counter
- Roof-mounted 'Power On' beacon with low voltage alarm
- Corrosion resistant galvanized frame with aluminium panels and mudguards
- Roof-mounted cable storage container
- Cold weather protection/anti-cold soak insulation
- Foot operated parking brake
- Pneumatic Tyres
- Rear suspension
- Replaceable side and rear bumpers
- Spare wheel (supplied loose)
- Aircraft cable with heavy-duty Nato connector
- Heavy-duty output isolator with replaceable contacts
- Security 'R' clip isolator lock
- Solid state voltmeter/ammeter with 'push to view' feature



Coolspool 410: in operation on CASA 235

Other ground power units available from AERO Specialties



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