

Coolspool Hybrid 300

28V MINI DIESEL GPU

Powered by a 3-cylinder water-cooled Kubota diesel engine, the Coolspool Hybrid 300 is the latest model of Powervamp's compact low cost diesel GPU.

It is designed for regional DC aircraft operators and FBOs requiring continuous ripple-free power in the hangar and remote power for line operations and turbine starting on the ramp.

No other GPU delivers the versatility and convenience of Powervamp's Coolspool Hybrid 300.

This compact and efficient diesel GPU provides continuous DC power and an auxiliary AC single phase output. Very high DC amperage from its ultra-high-discharge batteries is available instantly for turbine starts and short-term loads that may exceed the generator's continuous output.

The Coolspool Hybrid 300 was originally developed in 1995 for the UK military as a low cost self-contained GPU designed to supply continuous DC power all day for pre-flight/avionics and random turbine starting.

The latest generation Coolspool Hybrid 300 delivers up to 300A continuously at 28V, either from the diesel generator or by connecting the GPU to a 3-phase mains supply, thereby allowing it to be used in confined spaces.

A selector switch allows the user to select Generator or Mains mode, enabling the GPU to provide power from the Generator or the Mains input.

In enclosed spaces such as maintenance shops or hangars, with the diesel engine shut down and the unit connected to a mains supply, the Coolspool Hybrid 300 while providing 28V, will automatically recharge its integral batteries.

Available in various configurations and in series production over 17 years, with sales to several armed forces, the latest Coolspool Hybrid 300 is the civil version for FBOs, regional airlines, and operators requiring versatile remote power at a fraction of the cost of a conventional diesel GPU.



Supplied as standard with



4m x 70mm² hard-wired Nato lead



Spare wheel



Wheel brake system

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

*This information is given in good faith

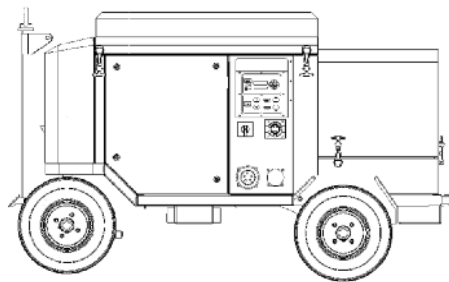
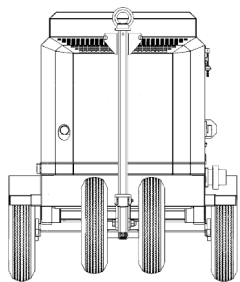
Coolspool Hybrid 300

Specifications

| | |
|--------------------|--|
| Peak amps | 5000A |
| Nominal voltage | Batteries 24V DC/power supply 28V DC |
| Standing voltage | 25.6V DC |
| Amp/hour capacity | 228Ah (other options available) |
| Operating temp | -30°C to +50°C (-22°F to 122°F) |
| Case | Galvanised steel frame with alloy panels |
| Control panel | LCD screen provides detailed information of different parameters. Large rubber ON/OFF buttons for easy operation |
| Aircraft cable | Different options available: 4m (13ft), 6m (20ft) and 8m (26ft) with heavy-duty rubber Nato connector |
| Output current | 300A continuous |
| Input voltage | 190-200V AC or 380-415V AC / 50-60Hz (only in Mains mode with the engine turned Off) |
| Input current | 32A @ 400V AC; 32A @ 200V AC/ 3-phase (only in Mains mode with the engine turned Off) |
| Cooling | Forced ventilation |
| Forklift points | 2 forklifting points on both sides |
| Fuel type | Diesel |
| Fuel tank capacity | 33 litres (7 gallons) |
| Aux output | 115V AC 60Hz / 230V AC 50Hz |
| Dimensions | L 1900mm (75in) W 970mm (38in) H 1130mm (45in) |
| Weight | 538kg (1186lb) for a dry unit with 4m output cable |
| NGAGE | KD628 |

Features

- High powered sealed lead acid AGM batteries
- Cleared for air-transportation
- 300A, 28V DC internal power supply/charger
- Corrosion resistant galvanised frame with aluminium panels
- Shore capacity for silent, clean aircraft maintenance supply within hangar
- Ability to recharge external ground power units via power outlet
- Reverse polarity protection
- Reverse current protection
- Complies with ISO 6858



Other GPUs and power supplies in the Powervamp range



PS300



Coolspool 260



Coolspool 410



TRU 2400-2

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ADVANCED POWER SOLUTIONS

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