



Jetpower® III 28.5VDC Ground Power Unit

A solution to reduce operating costs

JBT: "Single Source Convenience"



Jetpower® III 28.5VDC Technical Specifications

Design Elements

As one of the world's leading suppliers of Jetpower 400Hz ground power units for the past 25 years, JBT AeroTech, Jetway Systems, now offers a 28.5vdc unit for small commuter aircraft. This unit is available in 400 amp and 600 amp versions. The standard unit comes with a 4 wheel cart with a handle and cable rack to store the cable. The unit is also available with bridge mounting hardware. The unit is designed for outdoor use.



Maximum Input Current

Model	Capacity	480v	240v	208v	415v	400v	380v
2914530-400	400 A	25A	51A	59A	29A	30A	31A
2914530-600	600 A	37A	76A	89A	43A	45A	47A

Dimensions

Width	24 in (610 mm)
Height	29 in (737 mm)
Depth	36 in (914 mm)

Dimensions are without the cart

Weight (without cart)

- 360 lbs (163kg)

Housing

- NEMA 3R painted aluminium

Environmental Conditions

- Capable of normal operation from -40°C to 55°C (-40°F to +131°F)

Noise

- Not greater than 65dBA at 1.5 m height, 1 m distance

Maintenance

- Mean Time to Repair (MTTR) 30 minutes. Reduced part count and increased circuit and component protection enhance reliability

Output Ratings

- Output Voltage of 28.5vdc. Internal adjustment of plus or minus 10%
- Output Regulation: better than 1%
- Output Modulation: MIL-STD-704F and ISO 6858
- Output Current: 400 or 600 amps continuous; 2000 amp surge

Output Protection

- Output Over voltage
- Output overload
- Over temperature

Internal Controls

- Output voltage adjustment
- Line Drop Compensation

External Controls

- DC Output Current Limit adjustment
- Start
- Stop

External Indicators

- Input Power applied
- Output On
- Output Overload
- Output Overvoltage

Optional

- Stand: a stand is available for permanently mounted applications
- Bridge Mounting Brackets: brackets are available for mounting the unit on a passenger boarding bridge
- 28v Cable: A 28v cable is available in various lengths
- Cable: Input cable in various lengths (up to 100 ft.) is available

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This information is provided for reference only and should not be used as technical specification data. This information is subject to change without notice. Please contact a JBT AeroTech sales office for formal technical information.

Data subject to change without notice—Rev.4, May 2017

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