



We are a world leader in aircraft ground support equipment

JBT AeroTech, Jetway Systems®, offers unparalleled product range and support, and the convenience of a single source supplier: Jetway® passenger boarding bridges, Jetpower® 400Hz ground power units, JetAire® preconditioned air units, and other ground support systems.

With successful innovations we have served the airport industry since 1959. Let our expertise provide you the utmost in cost-efficient solutions for your gate operations.



JETPOWER® 400Hz CONVERTERS

A solution to reduce operating costs



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OPERATING COST REDUCTION

APU avoidance for aircraft parked at the gate can reduce fuel costs significantly.

The 400Hz ground power units from JBT AeroTech, Jetway Systems®, are an effective solution to provide power to aircraft while on the ground.



JETPOWER® IS TODAY'S BEST OPTION TO REDUCE OPERATING COSTS

JBT AeroTech, Jetway Systems®, developed its first Jetpower® unit in 1982, and since then the product line has evolved to include units for central systems, with pulse-width-modulation technologies, and improved diagnostics

JetPower® units convert standard 50/60 Hertz utility power to aircraft-compatible 400 Hertz power using clean, efficient, reliable, and maintenance-free solid-state technology.

Over 92% efficient, they operate as demand systems, consuming only the energy needed by each specific aircraft.

Also, with few or no moving parts, they have negligible no-load power losses.

Self-calibrating circuitry requires no customer adjustment and swing down panels allow easy access to interchangeable internal modules.

Models are available with an advanced system of user-friendly internal diagnostics. Light emitting diodes, external indicator lights, and a plain text two-line "faults and functions" LCD text-display simplify evaluation of all critical circuits and subsystems.

Jetpower® 400 Hertz units work anywhere in the world. JetPower converters can be stand, cart, or bridge mounted. They are fully compatible with input power ranging from 380-480 Volts at either 50 or 60 Hertz.

Features and upgrades:

- Lower input current distortion (12-step/pulse standard) on certain models
- Built-in buss capacitor monitoring and protection
- New DSP (digital signal processor) based PWM algorithm which reduces high frequency harmonics and allows individual phase regulation of outputs
- Increased unbalanced load, phase to phase
- Enhanced remote monitoring data buss
- Tested to UL-1012, CSA-C22.2



Jetpower® PWM2. The Jetpower® PWM2 uses pulse width modulation technology to convert energy to 400 Hz ground power for airport applications. The PWM2 can be mounted on the passenger boarding bridge or on a cart for greater mobility. PWM2 inverters utilize maintenance free, state-of-the-art technology.



JBT AeroTech offers comprehensive operator and maintenance training for all its products. Our field representatives have years of experience to provide your mechanics and engineers with an in-depth explanation of systems, safety and operation.

Jetpower® products have an extended design life and are enclosed in rugged metal cases to protect the circuitry from extreme environments.

Jetpower® PWM Plus. The Jetpower® PWM Plus is a stationary unit that provides reliable and economical 400 Hz power for all applications when centralized equipment is preferred.

Active Line Drop Compensator. The Active LDC has been designed to efficiently and automatically correct transmission line voltage drop in 400 Hz distribution systems. It actively compensates for voltage drop independent of the power factor.

