

PDI POWERCUBE TRANSFORMER

INDUSTRY'S TRUSTED CHOICE

As the pioneer of critical power distribution technology, PDI leads the way with proven solutions when it comes to high efficiency transformers. Backed by three modern U.S. manufacturing facilities, a staff of over 300 dedicated people, and 30 years of industry experience, PDI has one of the largest installed bases of high efficiency transformers among any power quality provider.

LOWER OPERATING COSTS

PDI's advanced technology high efficiency transformers are designed to deliver optimal high efficiency for lower operating costs. Exceeding national efficiency standards (NEMA TP-1), PowerCube transformers deliver true energy savings under both linear and non-linear loads.

SYSTEM MONITORING

The award winning Wavestar monitoring system with PDIq provides real time energy and power quality information at a glance. All monitors are equipped with universal communications ports for easy interface with building management systems.

MAINTAINABILITY

An available hinged front port provides a quick and easy way to access all power connections, while optimal infrared transparent windows allow for safe routine thermal scanning without opening the interior doors.

REDUCING THE FOOTPRINT

PDI's high efficiency transformers are designed to provide years of reduced costs, reduced energy consumption, and therefore reduced impact on the environment. Additionally, its eco-friendly design and manufacturing process strives to maximize recycling methods for sustainability.

TESTED & VERIFIED TO NATIONAL STANDARDS

To verify performance of actual efficiency, all PDI energy efficient transformers are tested to a nationally recognized method using third party verified equipment. All transformers are provided with a serialized test data sheet to validate performance and ensure that customers get the efficiency they pay for.

BETTER BY DESIGN

PDI PowerCube transformers use a 240°C thermal shielding between windings to deliver an extra margin of safety and extend operating life. Welded tap connections and large flat bus termination points also eliminate "hot spots" found in most other manufacturer's transformers.

APPLICATIONS

The PowerCube represents an optimal solution for: data centers, K-12 colleges, universities, government, healthcare, industrial and commercial buildings where lower operating costs, energy savings and the environment are a priority.

PDI

creating the perfect wave

POWERCUBE^{hE}
HIGH EFFICIENCY



Energy Efficiency & Cost Savings

RATINGS & FEATURES

- kVA Ratings: 30 - 1000kVA
- K Factor: specifiable K1 through K30
- 6 Compensation Taps (4 FCBN, 2 FCAN)
- Input: 3-phase, 3 wire plus ground
- Input Voltage: 208, 480 & 600 @ 60Hz
- Output: 3 phase, 4 wire plus ground
- Output Voltage: 120/208, 480 & 600 @ 60Hz
- Impedance: 2.0-4.5% avg \pm 0.25%
- Copper wound construction - better conducting & more resilient than aluminum
- Dual electrostatic shield - attenuates high frequency noise
- Natural convection cooling
- Operating efficiency: 98% typical
- Oversized neutral for non-linear loads
- UL Listed