Over 35 years of experience has allowed PDI to become the preferred supplier of power distribution units to mission critical industries. PDI’s PowerHub® PDU family provides power distribution for applications with 300kVA and above. The new PowerHub® 2 PDU, built on a modularized design platform, provides compact, robust and efficient solutions for power isolation, voltage transformation, harmonic reduction and voltage regulation with a wide range of distribution options.

**Modularized Design Platform**
- Compact enclosure to provide smallest footprint in the industry
- Compartmentalized electrical components to provide easy and safe access
- Wide range of breaker options in one design to meet various needs

**Robust and Efficient Performance**
- Central welded bus built to provide reliable power distribution and front access
- TP-1 transformers standard and product UL listed
- Ultra high efficiency data center grade transformer for energy cost savings
- Optional 100% rated circuit electronic trip breakers for precision control

**Intelligent WaveStar® Monitoring**
- Integrated billing grade monitoring system for real-time control of actual loads down to the individual breaker level
- WaveStar® color touch monitor, providing intuitive local monitor and seamless integrations over Modbus, SNMP or TCP/IP

**Timely Product Delivery and Support**
- Short lead time to provide timely product delivery
- 24/7 service and support
- Around the clock sales and service support from system design throughout data center life

**Other Power Distribution Units**
- Rack Mount Power Distribution Units
- PowerPak 75 – 300 kVA
- PowerHub® 300kVA – 1mVA
- Medium Voltage Power Distribution Units – 4160V or 12470V system
WaveStar® PowerHub® 2
PDU Specifications

Ratings
• kVA rating, 300kVA – 625kVA
• Input: 3-phase, 3-wire plus ground
• Input Voltage @ 50 Hz: 380V – 415V @ 60 Hz: 600, 480 or 208V
• Output: 3-phase, 4-wire plus ground
• Output Voltage @ 50 Hz: 575, 415/240, or 380/230V @ 60 Hz: 600, 575, 480, or 208/120V
• 200% neutral busbar connection
• Listed to UL 1062, UL 1950, CSA Certified

Transformers
• TP-1 transformers are standard on all models.
• Operating Efficiency: 98% or better
• Copper wound construction – better conducting and more resilient than aluminum
• Dual electrostatic shield – attenuates high frequency noise
• Oversized 200% neutral conductor
• Common mode noise protection
• Transverse mode noise protection
• Optional Quad-Wye® Technology solves harmonic problems by canceling the destructive triplen and non-triplen current harmonics.

Enclosure
• NEMA 1 enclosure with removable front, side, and rear panels
• Optional NEMA 3R enclosure
• Integrated two-point latch and vision panels
• Flush-mounted door handle with integral locks
• Advanced door catch assures positive closure

Operating Conditions
• Operating Temperature: ambient 0°C to 40°C Per ANSI/IEEE C57.12.01 - The temperature of the cooling air (ambient temperature) shall not exceed 40°C, and the average temperature of the cooling air for any 24 hour period shall not exceed 30°C
• Relative humidity: 0% to 95% non-condensing
• Altitude Standard: 3300 Ft, Max:10,000 ft. (For altitudes greater than 10,000 Ft please contact EATON-PDI)
  50 Hz Operating Range: 47-53 Hz
  60 Hz Operating Range: 57-63 Hz
• Storage Temperature: ambient -10°C to +40°C

Monitoring
• Monitor: WaveStar® monitor
• Communications: Serial RS-485 Modbus RTU; optional SNMP or TCP/IP communications
• BCMS: Available as factory-installed option
• Options: Per circuit output monitoring
• Thermal: Dual transformer thermal sensors
• True RMS metering
• Accurate kW, power factor and THD measurement

Transient Suppression Network (TSN)
• An integrated system engineered to meet ANSI/IEEE category C standards for transient voltages and surge currents.

Lightning Arrester/Surge Suppressor
• Protects the insulation of the system magnetics.

Distribution Panelboards/Sub-Feed Breakers
• Customized distribution configurations meet the demands of any facility.

Redundant Power Distribution Systems
• WaveStar® Manual Dual System
  Dual-Input power distribution system allows for manual source selection to isolate upstream equipment and facilitate system maintenance and repair.

Customization
PDI is dedicated to providing customized solutions to meet the specific requirements of your application. Contact us at +1.800.225.4838 for further information and support.

PDI Service Support
After your equipment has been installed, call on the PDI Service team for 24/7 support. With 35 years of mission critical power experience and seasoned factory-trained service staff, PDI Global Services can maximize the benefit of your equipment investment.