MAVERICK POWER
Think it. Done.

Datasheet

Technical Information

Power Distribution Units

Maverick Power's Power Distribution Units (PDUs) provide efficient, scalable, and reliable power to high-density data center infrastructure. Designed to support mission-critical IT loads, our PDUs come in three configurations supporting up to 1000 kVA ratings in a space-saving footprint.



Efficient

High-efficiency transformers reduce power loss, transformer isolation reduces EMI emissions, and branch circuit monitoring data helps prevent inefficiencies.

Scalable

With multi-tapped transformers and a modular design Maverick's PDUs enable seamless expansion and adaptability.

Reliable

Advanced monitoring aids in proactive maintenance. The PDU ensures redundant power when paired with Static Transfer Switches (STSs) or Automatic Transfer Switches (ATSs).

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Standard Features

- 100% rated main with LSI
- 100% distribution breakers with LSI
- 65 kA short circuit ratings
- Distribution breakers: 8 x 250A, 400A, 600A or 800A
- Main breaker power monitoring
- Branch circuit monitoring
- 7-inch HMI
- IR scanning windows for all cable connections
- Textured black paint

Optional Features

- 10-inch HMI
- Ground fault on all breakers
- 100 kA interruption ratings
- Surge protection devices
- Other paint colors
- Local emergency power off

Standards & Compliance

- UL 891 listed (E515263)



500 kVA PDU with Both Doors Open

Key Specifications

Power Rating	300-1000 kVA
Primary System	3-phase, 3-wire + ground
Primary Voltage	480, 600 or 240V
Secondary System	3-phase, 4-wire + ground
Secondary Voltage	415/240V, 400/240V, 208Y/120V (Multi-Tap)
Transformer Type	Delta-Wye Configuration Aluminum windings (standard) Copper windings (optional)
Transformer Temperature Rise	150°C (standard) 115°C or 80°C (optional)
Transformer K-Factor	K-4 (standard) K-9, K-13, K-20 (optional)
Transformer Inrush	11x (standard) 8x, 5x (optional)
HMI Communications	Modbus RTU/TCP

Dimensions

300–500 KVA	90" H x 60" W x 48" D
600–800 KVA	89" H x 89" W x 56" D
1000 KVA	89" H x 113" W x 59" D