

POWER DISTRIBUTION UNIT (PDU)

Apex Infrastructure is committed to delivering efficient, safe, reliable, and flexible next generation equipment for the emerging Hyperscale and AI data center environments while meeting today's current operational requirements.

STANDARD FEATURES

- 50-1200kVA flexible configurations available
- Top and bottom cable entry
- Nema-1 modular cabinet configuration on casters
- Front access for ease of installation & maintenance
- Step down transformer with dual voltage option
- Pre-installed TVSS/SPD protection
- Pre-installed distribution with PQM sub feeds HMI
- UL listed 200% rated neutral & isolated ground
- Intelligent diagnostic HMI screen
- ARC flash protection & finger safe operation
- UL891 E47394 Listed

OPTIONAL FEATURES

- Multi voltage & frequency (in/out)
- Output load bank breaker
- Integrated Power filter options (EMP/TEMPEST/SCIF)
- BCM on low voltage breakers or sub feeds
- I/R scan window for all connections
- Ground fault monitoring (HRG/LRG/NRG)
- Adjustable floor stands
- Integrated TVSS/SPD options
- Side car distribution solutions available upon request
- Custom configurations available upon request
- TCE: Top Cable Entry
- UL Listed output cables



BENEFITS

- Hyperscale & AI Ready
- Space saving footprint
- Modular expansion capability
- Scalable deployment
- Custom Configurable
- Green & Smart DOE Energy
- Sustainable LEED compliant design
- Optimized PUE design
- Convection air flow design
- Installation & maintenance friendly

PDU SPECIFICATIONS

ELECTRICAL

kVA	50-1200kVA configurations
Input	3-phase/3-wire + ground
Input Voltage & Frequency	up to 600V – 50 or 60Hz*
Output	3-phase/4 wire + ground
Output Voltage	480/277, 415/240, 208/120V & Dual V
Transformer Ratings	K4/13/20
Transformer Type	AL/CU/HMT/DOE 2016
Transformer Temp Rise	115°C (std) /150°C option
Transformer In-rush	Normal (11X) / low (5X)
Transformer Compensation Taps	(4) 2-1/2% FCBN / (2) 2-1/2% FCAN
Transformer Insulation	220°C (class R)
Neutral Rating	200%

OPERATING CONDITIONS

Temperature (operating)	0° to 40°C
Temperature (storage)	-40° to 60°C
Audible Noise (up to 150kVA)	50 dBA max
Audible Noise (225 to 300kVA)	55 dBA max
Audible Noise (350 to 800kVA)	60 dBA max

PDU DIMENSIONS

50-225 kVA and most 300kVA	84" H / 34" D / 48" W
300 kVA w/ transformer option	84" H / 34" D / 50" W
350-800kVA	84" H / 38" D / 52"-60" W

*Custom enclosure available upon request.

STANDARDS

NEMA-1
UL891 E47394
FCC Compliant (part 15)