

**2. PRODUCT STANDARD:**

- 2.1 Each Power Distribution Unit shall be UL listed as a complete system under UL 1950 Standard for Information System Technology Equipment. PDU's shall comply with the latest applicable FCC EMI emission limits for Class A computing devices.
- 2.2 Output Capacity designed for 150 KVA.
- 2.3 Audible noise level of each power distribution unit shall be less than the ANSI C89 standard for transformers.
- 2.4 Manufacturer of the PDU shall furnish an instruction manual for each PDU with installation, start-up, operation and maintenance instructions, wiring diagrams, drawings of major components and a list of recommended spare parts.
- 2.5 Manufacturer warranty shall be one-year for material and workmanship for 12 months after initial start-up or 18 months after shipping date.
- 2.6 PDU to be equipped with a microprocessor based power monitoring system. Monitored parameters and alarms to be displayed on the monitor panel and available for communication to a central monitoring system. Voltage and current to be measured using true RMS meter.
  - 2.6.1 Input and output voltages (L-L, all three phases).
  - 2.6.2 Output voltages (L-L, L-N, all three phases)
  - 2.6.3 Total Harmonic Distortion for all three phases
  - 2.6.4 Output current and Neutral current
  - 2.6.5 Unit Ground Current
  - 2.6.6 Output Frequency
  - 2.6.7 Output kVA and kW
  - 2.6.8 Output Power Factor
  - 2.6.9 Output kWh
  - 2.6.10 Percent Load
- 2.7 Acceptable manufacturers are APC, Liebert and PDI.

**3. PERFORMANCE STANDARDS:**

- 3.1 Preventative maintenance and repair services to be by factory-trained technicians available in the Houston area.