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.