PART 1  GENERAL

1.01  WARRANTY
A. Require a two (2) year unconditional warranty on batteries.
B. Require a two (2) year warranty on the equipment.

PART 2  PRODUCTS

2.01  ACCEPTABLE MANUFACTURERS
A. Emergency Lighting Battery Power Supply:
   1. Philips Bodine
   2. Philips Chloride
   3. Controlled Power Company (CPC)
   4. Digital Signal Manufacturing, Inc (DSPM Inc.)
   5. Meyers Power Products
   6. Dual-Lite

2.02  EQUIPMENT
A. Emergency Power Supply (Battery or UPS):
   1. Input Voltage:
      a) Single Phase: 120V or 277V, 1Ø, 60 Hz.
      b) Three Phase: 208V or 480V, 3Ø, 60Hz.
   2. Output Power:
      a) As required at 0.8 power factor lagging minimum.
      b) Nominal Battery Voltage 384 VDC; Float Operation 2.27 VDC per cell.
      c) Ripple Voltage: less than 1% RMS voltage, with inverter fully loaded and battery disconnected.
      d) Battery AC Current Ripple: less than 1% nominal.
      e) Electronic current limiting input breaker and fuses.
      f) Output voltage: 120V or 277V, 1Ø, 60 Hz or 208V or 480V, 3Ø, 60Hz, ±5 percent.
      g) Total harmonic distortion: less than 3 percent at full resistive load.
   3. Batteries:
      a) Battery operating time: 1.5 hours at full load and output voltage.
      b) Maximum recharge time: twelve hours following 1.5-hour discharge.
      c) Utilize Valve Regulated Lead-Acid (VRLA) batteries with a nominal voltage of 384VDC.
   4. Efficiency: 86 percent minimum at full load.
   5. Transfer time: 50 milliseconds (continuous output power if serving HID luminaires).
   6. Accessories:
      a) Remote Trouble Monitor: common audible signal for system disarray.
PART 3  EXECUTION

3.01  INSTALLATION
     A. Locate unit in an area that is not subject to unusual temperature extremes.
     B. Require factory-authorized technician to test and start up system.

3.02  DEMONSTRATION
     A. Provide training for DPS Maintenance Personnel on the proper use and maintenance of the all the equipment.

     END OF SECTION 26 33 23.11