PIE ELSAP04D
Data Sheet for
Uninterruptible Power Supply (UPS)
System Specification
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### GENERAL (4.1):
- **UPS TYPE (4.1.1):**
  - PWM
  - UL LISTED
  - FERRORESONANT
- SYSTEM ONE LINE OR BLOCK DIAGRAM DRAWING NO. (4.1.5):
  - CABLE ENTRY (4.1.19):
    - TOP
    - BOTTOM
  - Other:
    - GROUND BUS (4.1.20):
      - TIN PLATED
      - SILVER PLATED
      - COMFORMAL COATING (4.1.23):
        - REQUIRED
        - NOT REQUIRED
- **SITE CONDITIONS (4.2):**
  - ALTITUDE: m (FT)
  - SEISMIC ZONE:
  - AMBIENT TEMP.: MAX: °C
  - MIN: °C
  - EQUIP. ROOM TEMP.: MAX: °C
  - MIN: °C
  - HUMIDITY:
  - % NON-CONDENSING
  - AREA CLASSIFICATION:
  - OTHER:
- **ELECTRICAL CHARACTERISTICS (4.3):**
  - NORMAL INPUT VOLTAGE: V
  - PH:
  - WIRE:
  - POWER RATING: KW KVA
  - FREQUENCY: Hz
  - INPUT POWER SYSTEM:
    - DELTA
    - WYE
  - GROUNDING:
    - HIGH RESISTANCE
    - SOLID
  - INPUT CURRENT HARMONICS (THD):
    - % 35%
    - OTHER:
  - INPUT SYSTEM FAULT CURRENT:
    - KA
  - BYPASS INPUT VOLTAGE: V
  - PH:
  - WIRE:
  - BYPASS SYSTEM FAULT CURRENT:
    - KA
  - UPS OUTPUT VOLTAGE:
    - V
    - PH:
    - WIRE:
  - OUTPUT FREQUENCY: Hz
  - OUTPUT CHARACTERISTICS:
    - % LINEAR LOAD
    - % NON-LINEAR LOAD
  - MOTOR:
    - HP
  - OVERALL SYSTEM EFFICIENCY:
    - 100% LOAD
    - 75% LOAD
    - 50% LOAD

### ISOLATION AND BYPASS TRANSFORMER (4.5):
- **INPUT TRFM.:**
  - REQUIRED
  - NOT REQUIRED
  - INTERNAL
  - EXTERNAL
  - INTR TRFM K-FACTOR RATING:
    - K-4
    - OTHER:
- **BYPASS TRFM.:**
  - REQUIRED
  - NOT REQUIRED
  - INTERNAL
  - EXTERNAL
  - BYPASS TRFM K-FACTOR RATING:
    - K-4
    - OTHER:

### RECTIFIER/CHARGER (4.6):
- **RECHARGING TIME:**
  - REQUIRED
  - NOT REQUIRED
  - HOURS
  - Other:
  - DUPLECT RECTIFIER/CHARGER:
    - REQUIRED
    - NOT REQUIRED
  - TEMPERATURE COMPENSATED BATTERY CHARGING:
    - Yes
    - No
  - **INVERTER (4.7):**
    - EQUIP. ROOM TEMP.:
      - MAX: °C
      - MIN: °C
    - TURN OFF INVERTER AT 1.75 VDC:
      - YES
      - NO
    - TURN OFF INVERTER AT 1.00 VDC:
      - YES
      - NO
    - HUMIDITY:
      - %
    - NON-CONDENSING
    - OTHER:
    - AREA CLASSIFICATION:
      - UNCLASSIFIED
      - OTHER:
  - **INERTAL MANUAL BYPASS SWITCH (4.9):**
    - MANUAL BYPASS SWITCH:
      - REQUIRED
      - NOT REQUIRED
    - POSITION LED'S ON FRONT:
      - REQUIRED
      - NOT REQUIRED
  - **REMOTE MAINTENANCE BYPASS SWITCH (4.10):**
    - REQUIRED
    - NOT REQUIRED
    - CIRCUIT BREAKERS (4.10.4):
      - GROUNDING:
        - HIGH RESISTANCE
        - SOLID
    - BYPASS INPUT CIRCUIT BREAKER
    - OUTPUT CIRCUIT BREAKER
  - **TEST LOAD CONNECTION (4.11):**
    - REQUIRED
    - NOT REQUIRED
    - CIRCUIT BREAKER:
      - DISCONNECT Device
    - C/B OR DISCONNECT RATING:
  - **BATTERY DISCONNECT (4.12):**
    - REQUIRED
    - NOT REQUIRED
    - SWITCH:
      - FUSE
      - CIRCUIT BREAKER
  - **BATTERIES (4.13):**
    - REQUIRED
    - NOT REQUIRED
    - PIP ELSAP11, FLOODED CELL
    - PIP ELSAP12, VRLA
    - OTHER:
    - BACKUP TIME:
      - 30 MIN.
      - OTHER:
      - MIN.
      - 0.8 PF
      - 1.0 PF

### Data Sheet and Code Information:
- **General Code:***
- **Electrical Code:***
- **Commercial Code:***
- **Local Code:***
- **Other Code:***
## ENCLOSURE (4.14):
- **Manufacturer’s Std.**
- **3” Lifting Base**
- **Air Inlet Dust Filters Required**
- **Front Access**
- **Finish:**
  - Manufacturer’s Std.
  - Other:
- **Battery Cabinet:**
  - Required
  - Not Required
- **Enclosure Temperature Monitor:**
  - Required
  - Not Required

## CONTROLS, MONITORING AND COMMUNICATIONS (4.18):
- **Automatic On-Load Testing of the Battery:**
  - Required
  - Not Required
- **Indicators:**
  - LED's
  - Digitally Displayed
- **Additional Indicators:**
- **Mimic Screen:**
  - Required
  - Not Required
- **Meters:**
  - Analog
  - Digital
  - Individual Digital Meters
  - LCD Monitoring Panel
- **Additional Dry Contacts:**
- **Audible Alarm:**
  - Required
  - Not Required
- **Communications:**
  - Ethernet
  - Wireless
  - RS485
  - RS232
  - Other:
  - Yes
  - No

## TAGGING AND NAMEPLATES (4.19)
- **HMI**
- **Other:**

## INSPECTION AND TESTING (4.20):
- **Burn-in Test:**
  - Required
  - Not Required
- **Duration of Test:**
- **Functional Tests (4.21.8):**
  - Witnessed
  - Not Witnessed

## DOCUMENTATION (4.22):
- **Electronic Document Format:**
  - DWG
  - PDF
  - Other:
- **Supplier to Provide:**
  - 1 Reproducible Plus
  - Copies of All Documentation Plus
  - Copies of Operating Manuals
- **Full Load Heat Rejection:**
  - _____________ BTU/HR