

# Uninterruptible Power Systems

## EDP70<sup>plus</sup>

### Model 24

12 kVA  
18 kVA  
24 kVA



**CHLORIDE**  
POWER PROTECTION



- True On-line Protection
- IGBT PWM Inverter
- State-of-the-Art Communications Solutions
- Input/Output Circuit Breakers
- Advanced Battery Management
- Internal Maintenance Bypass
- User Friendly, Multilingual Display
- Dual RS232 Ports
- Field Upgradeability

### Environmental Specifications

Maximum Acoustical Noise Level 52 dBA at 3 feet  
-8°C to 40°C Operating Temperature  
Relative Humidity: 0 to 95% Noncondensing  
Operation to 1,000 Meters Without Derating

### Input Specifications

Voltage: Nominal  $\pm 20\%$   
Frequency: 60 Hz  $\pm 5\%$   
Power Factor: 0.82 Typical Without Harmonic Filter

### Output Specifications

Voltage THD: < 3% for 100% Linear Loads;  
< 5% for 100% Non-linear Loads  
Output Regulation:  $\pm 1\%$  with Balanced Load;  
 $\pm 3\%$  with 100% Unbalanced Load  
Frequency Regulation:  $\pm 0.05\%$

### Options

ManageUPSNET Web Monitoring Software  
MopUPS Network Shutdown Software  
SNMP Adapter  
LIFE2000 Factory Monitoring Service  
External Maintenance Bypass  
10% Input Harmonic Filter  
Extended Warranties  
Preventive Maintenance Packages

### Compliance

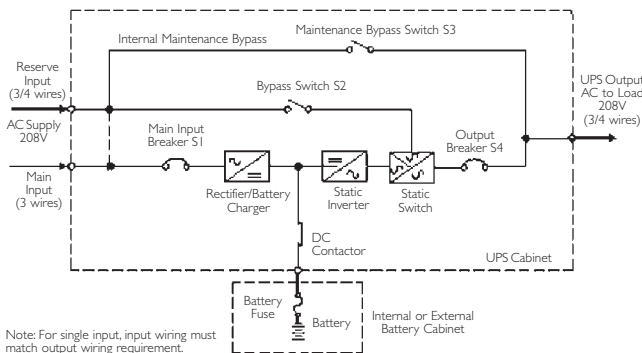
Listed to UL 1778 and CSA C22.2 No.107.1

## Performance and Physical Data

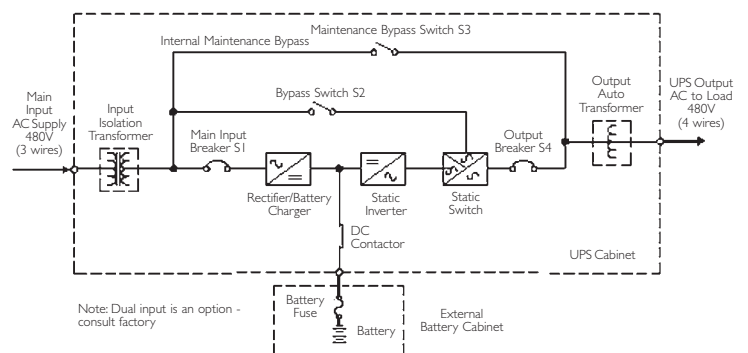
| MODEL 24                          | Model 24 - 12 kVA |          |          | Model 24 - 18 kVA |          |          | Model 24 - 24 kVA |          |          |
|-----------------------------------|-------------------|----------|----------|-------------------|----------|----------|-------------------|----------|----------|
|                                   | 2x2               | 4x2      | 4x4      | 2x2               | 4x2      | 4x4      | 2x2               | 4x2      | 4x4      |
| kVA/kW @ .67 PF                   | 12/8              | 12/8     | 12/8     | 18/12             | 18/12    | 18/12    | 24/16             | 24/16    | 24/16    |
| Input Voltage                     | 208Y/120          | 480      | 480      | 208Y/120          | 480      | 480      | 208Y/120          | 480      | 480      |
| Output Voltage                    | 208Y/120          | 208Y/120 | 480Y/277 | 208Y/120          | 208Y/120 | 480Y/277 | 208Y/120          | 208Y/120 | 480Y/277 |
| Frequency                         | 60 Hz             | 60 Hz    | 60 Hz    | 60 Hz             | 60 Hz    | 60 Hz    | 60 Hz             | 60 Hz    | 60 Hz    |
| Nominal Input Current             | 37                | 16       | 16       | 57                | 25       | 25       | 76                | 33       | 33       |
| Maximum Input Current             | 42                | 19       | 19       | 60                | 26       | 26       | 78                | 34       | 34       |
| Nominal Output Current            | 33                | 33       | 14       | 50                | 50       | 22       | 67                | 67       | 29       |
| System Efficiency 100%            | 88                | 87       | 86       | 88                | 87       | 86       | 88                | 87       | 86       |
| Full Load Heat Rejection (BTU/hr) | 3,750             | 4,150    | 4,550    | 5,460             | 6,200    | 6,600    | 6,800             | 7,500    | 8,200    |
| Height                            | 56.0              | 56.0     | 56.0     | 56.0              | 56.0     | 56.0     | 56.0              | 56.0     | 56.0     |
| Width                             | 27.5              | 27.5     | 27.5     | 27.5              | 27.5     | 27.5     | 27.5              | 27.5     | 27.5     |
| Depth                             | 28.7              | 28.7     | 28.7     | 28.7              | 28.7     | 28.7     | 28.7              | 28.7     | 28.7     |
| Weight                            | 900               | 1200     | 1400     | 900               | 1200     | 1400     | 900               | 1200     | 1400     |

## One Line Diagrams

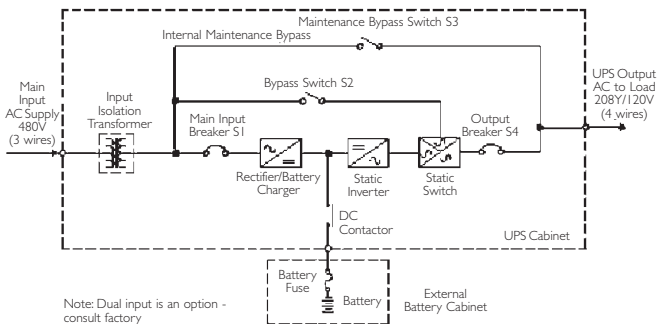
24 kVA (2 x 2)



24 kVA (4 x 4)



24 kVA (4 x 2)



## Battery Data

|          | 24 - 12 kVA | 24 - 18 kVA | 24 - 24 kVA | Cabinets  |
|----------|-------------|-------------|-------------|-----------|
| Pack 106 | 47          | 28          | 17          | Internal* |
| Pack 107 | 47          | 28          | 17          | 1 x A     |
| Pack 108 | 76          | 45          | 27          | 1 x A     |
| Pack 109 | 116         | 72          | 40          | 1 x B     |
| Pack 131 | 124         | 97          | 71          | 1 x B     |

\* 2x2 only

Cabinet type A dimensions: 17.8" W x 28.7" D x 56.0" H

Cabinet type B dimensions: 33.6" W x 28.7" D x 56.0" H