GE
Consumer & Industrial
Power Quality (Digital Energy)

EP Series UPS
700/1000/2000/3000/6000 VA Tower / Rack

EP 700-6000VA

The EP series UPS is a true VFI (Voltage & Frequency Independent) true on-line double conversion, intelligent, cost effective high-performance UPS designed to suit a wide range of IT Networks, Telecom, S.O.H.O and Process Control applications.

GE Digital Energy’s EP series UPS is microprocessor controlled - equipped with RS232 and USB as standard communications interfacing, and optional SNMP interfacing capability available to provide power monitoring and management.

Wide input voltage window, 50/60Hz auto sensing, selectable output voltage 220/230/240v, and Battery start (cold start) are also advance features of the EP Series.

Longer runtime options and 19” rack mountable versions are also available.

Features & Benefits

• On-line double conversion technology assuring ultimate Power Quality
• LED display - overload, on-line & battery status annunciation
• Fully digital microprocessor controlled
• Programmable computer shutdown
• Lightning and transient surge protection
• Optimized for use with generators
• Wide input voltage window
• Multiple user interface: RS232, USB, SNMP
• Plug & play
• Battery start (cold start)
• Automatic bypass switch
• Extended run time available

Applications

• Servers, hubs, switches and routers
• PC and workstation
• Cash registers, fax, modem and ISDN adapters
• Network components
• Process and telecom industry equipment
# Technical Specification of EP Series

|---------------|---------|-----------|-----------|------------|-----------|-------------|-----------|-------------|-----------|-------------|

## Performance

| Power Rating (VA/W) | 700/490 | 1000/700 | 2000/1400 | 3000/2100 | 6000/4200 |

## Technology

- On-line double conversion with automatic by-pass
- Input Voltage: 220/230/240Vac, 115~300Vac
- Input Frequency: 50/60Hz auto sensing, 46Hz~56~56Hz
- Input Power Factor: 0.97
- Output Voltage: 220/230/240 Vac ±2%
- Output Frequency: 50/60Hz±0.2Hz
- Overload Capacity: 110%: continuous, 130%: 30 sec then on bypass, 150%: 1 sec then on bypass
- Efficiency: > 88% (On line model)

## Battery

- Rating (V/ah): 36/7 36/ 36/7 36/ 96/7 96/ 96/7 96/ 240/7 240/7 240/7
- Run-time at typical load: 11 mins 5.9 mins 9.8 mins 5.1 mins 7.8 mins
- Battery Test: Programmable automatic test (adjustable using EP software supplied)
- Battery Management: Extended battery auto-recognition, automatic runtime adjustment and protection against deep discharge

## Input/Output Connection

### Input
- Connection: IEC 320 (3.5 A) IEC 320 (5 A) IEC 320 (10 A) IEC 320 (16 A) IEC 320 (30 A)
- Rating (V/ah): 36/7 36/ 36/7 36/ 96/7 96/ 96/7 96/ 240/7 240/7 240/7
- Run-time at typical load: 11 mins 5.9 mins 9.8 mins 5.1 mins 7.8 mins
- Battery Test: Programmable automatic test (adjustable using EP software supplied)
- Battery Management: Extended battery auto-recognition, automatic runtime adjustment and protection against deep discharge

### Output (Tower)
- Connection: IEC 320 (3 A) IEC 320 (4.2 A) IEC 320 (8.5 A) IEC 320 (13 A) Terminal (26 A)
- Rating (V/ah): 36/7 36/ 36/7 36/ 96/7 96/ 96/7 96/ 240/7 240/7 240/7
- Run-time at typical load: 11 mins 5.9 mins 9.8 mins 5.1 mins 7.8 mins
- Battery Test: Programmable automatic test (adjustable using EP software supplied)
- Battery Management: Extended battery auto-recognition, automatic runtime adjustment and protection against deep discharge

### Output (Rack)
- Connection: IEC 320 (3 A) IEC 320 (4.2 A) IEC 320 (8.5 A) IEC 320 (13 A) 4 + 1 terminal (26 A)
- Rating (V/ah): 36/7 36/ 36/7 36/ 96/7 96/ 96/7 96/ 240/7 240/7 240/7
- Run-time at typical load: 11 mins 5.9 mins 9.8 mins 5.1 mins 7.8 mins
- Battery Test: Programmable automatic test (adjustable using EP software supplied)
- Battery Management: Extended battery auto-recognition, automatic runtime adjustment and protection against deep discharge

## Power Management

- Standard port: RS232 and USB
- Available slot: 1 slot for SNMP/web card
- Remote Power Off: YES with OS shut down software (standard)

## Dimensions

- Tower (WxDxH, mm): 145 x 400 x 220 192 x 460 x 340 260 x 570x 717
- Rack (WxDxH, mm): 483 x 420 x 88 (19”, 2U) 483 x 600 x 130 (19”, 3U)

## Environmental

- Operating temperature: 0°C–+40°C, recommended +20°C–+25°C
- Humidity: 0%–95%
- Storage temperature: -15°C–+60°C
- Altitude: 0---1000m (nominal), 1000---3000m (derating)
- Acoustic noise (1m from Front panel): ≤ 45dB ≤ 45dB ≤ 50dB ≤ 50dB ≤ 55dB

## Standards

- Approval: CE
- Safety: EN62040-1, IEC62040-1
- EMC: EN62040-2 Class B
- EN62040-2 I/P current >25A

* Rack 700/1000: internal battery, Rack 2000/3000/6000, battery housed in external cabinet has the same dimension as main UPS unit.

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C.EC.EP Series UPS.0806.PS