

PRIMERGY / PRIMEPOWER Online UPS VFI Devices Masterguard (Tower)

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PRIMERGY / PRIMEPOWER online UPS devices from Masterguard ensure powerful protection for the power supply to systems and data.

Fujitsu Siemens Computers and Masterguard offer users of PRIMERGY / PRIMEPOWER servers a solution that gives reliable protection against power failures, fluctuations and disruptions.

A series tower version

- Dual inverter technology in accordance with the VDE classification VFI (Voltage Frequency Independent) and EN 50091-3, i.e. complete separation of the load from network irregularities
- IGBT inverter technology with PWM
 - PWM (**P**ulse **W**idth **M**odulation)
- Ergonomic concept
- Serial interface / slot for optional extension cards
- Integrated automatic bypass
- IEC320 sockets at input and output / simple installation

E series tower version

- Dual inverter technology in accordance with the VDE classification VFI (Voltage Frequency Independent) and EN 50091-3, i.e. complete separation of the load from network irregularities
- 10 kVA UPS either with a 3 AC/N or 1 AC/N input
- IGBT inverter technology with PWM
 - PWM (**P**ulse **W**idth **M**odulation)
- Ergonomic concept
- Serial interface / slot for optional extension cards
- Integrated automatic bypass / simple installation
- Permanent connection at the input and output

Input voltage

A series tower version
1 AC/N 230 V

Input voltage range

160 to 276 V

Output voltages

1 AC/N 220, 230, 240 V

Frequency

50/60 Hz – autodetection

E series tower version

1 AC/N 230 V (E100 either 1 AC/N 230 V or 3 AC/N 400V)

176 to 276 V (E100 at 3AC/N 304 to 478 V)

50/60 Hz +/-5% (automatic frequency detection)

1 AC/N 220, 230, 240 V settable



E – high-power 3/1-phase all-rounder UPS

- Dual inverter technology in accordance with the VDE classification VFI (Voltage Frequency Independent) and EN 50091-3, i.e. complete separation of the load from network irregularities

- IGBT inverter technology with PWM
 - PWM (**P**ulse **W**idth **M**odulation)
- Ergonomic concept in a modern office design
- Serial interface / slot for optional extension cards
- Integrated automatic bypass
- Input and output with permanent connection / simple installation

Input voltage Input voltage range Input frequency Output voltage Output frequency	E – high-power 3/1-phase all-rounder UPS 3 AC/N 304 to 478 V 50/60 Hz +/-5% (automatic frequency detection) 1 AC/N 220, 230, 240 V settable 50/60 Hz +/-5% (automatic frequency detection)
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Main general features	Advantages/benefits
<ul style="list-style-type: none"> ■ Genuine online principle in accordance with the classification VFI SS 111 (DIN EN 50091-3); consumer is completely separated from the network 	<ul style="list-style-type: none"> ■ Absolutely uninterrupted bridging of power failures ■ Surge- and fluctuation-free; constantly good supply in the case of voltage slumps
<ul style="list-style-type: none"> ■ Integrated automatic bypass 	<ul style="list-style-type: none"> ■ Secure against short circuits and overloading in operation ■ High availability of the output voltage

Specific advantages of the A series:

- Genuine online dual inverter technology. As a result, COMPLETE isolation of any network disruption
- Large input voltage range
- PWM inverter technology
- Compact design / small dimensions
- Low weight
- Silent mode / noise-reducing design / use of controlled fans to minimize noise during operation.
- Fujitsu Siemens Computers design / UPS blends into the modern server environment
- Integrated automatic bypass
- Simple operation / functional display
- Simultaneous use of BOTH integrated communications interfaces possible
- Very simple mounting
- Comes as a bundle, including software

Specific advantages of the E series:

- Genuine online dual inverter technology. As a result, COMPLETE isolation of any network disruption
- Large input voltage range
- PWM inverter technology
- Compact design / small dimensions
- Silent mode / noise-reducing design / use of controlled fans to minimize noise during operation.
- EPO hardwired contact (only 10kVA device)
- FSC design (E series) / UPS blends into the modern server environment
- Integrated automatic bypass
- EITHER single-phase or three-phase input as STANDARD power supply
 - Only E 10 kVA tower version UPS system
- Simple-to-use LC display
 - Only E tower version
- Adjustable menu languages (LC display) / diverse range of languages available
 - Only E tower version
- Low weight / compact dimensions
- Castors permit simple change of position if desired
- Simultaneous use of BOTH integrated communications interfaces possible
- Battery backup time can be extended by connecting battery packs / several hours of backup time possible
- Identical design and dimensions of the UPS and associated battery pack
 - Gives the UPS system a uniform appearance

UPS type	Power 1 kVA = 0.7 kW	Backup time [min]		Dimensions (W x H x D)	Weight net (kg)
		Full load	Half load		
A1000 / tower	D:UPS-T1-PV1				
A1000 / tower	1,000 VA	7	15	145x225x405	14
Online UPS with integrated battery					
Max. of 2 battery extensions can be connected				145x225x405	19
A3000 / tower	D:UPS-T3-PV1				
A3000 / tower	3,000 VA	6	14	200x350x405	33
Online UPS with integrated battery					
Battery extension for A3000				200x350x470	48
E 100 / tower	D:UPS31-T10-PV1				
E 100 / tower – Bat	10,000 VA	5	14	300x800x675	110
Online UPS with integrated battery					
Max. of 2 battery extensions can be connected per UPS system					
BP for E 100 / tower	D:UPS31-T10-PA1				
Battery extension for E100 has identical dimensions as the UPS				300x800x675	136
Max. of 2 battery extensions can be connected per UPS system					
1 x BP E 100		23	53		1 x 136
2 x BP E 100		43	98		2 x 136
EI 200-3 / tower	D:UPS31-T20-PV1				
E 200-3 tower – Bat	20,000 VA	10	23	420x1180x800	325
Online UPS with integrated battery					
Max. of 2 battery extensions can be connected per UPS system					
BP for EI 200-3 / tower	D:UPS31-T20-PA1				
Battery extension for E200 has identical dimensions as the UPS				420x1180x800	420
Max. of 2 battery extensions can be connected per UPS system					
1 x BP EI 200-3		41	101		1 x 420
2 x BP EI 200-3		81	190		2 x 420