

# Eaton 9E UPS

## 1000-3000VA



New LCD display for clear information on the UPS' status and measurements



### Essential Online UPS

#### Reliability and performance

- The Eaton 9E UPS constantly monitors power conditions and regulates voltage and frequency thanks to the double conversion topology
- Trust a leading manufacturer with decades of experience and high quality standards: CE compliance certified by external agency (CB report from the TUV)
- Power more servers than most similar UPS because of a 0.8 power factor
- Low audible noise <40dB at typical load
- Wide input voltage range will minimize the battery usage and help to extend battery lifetime.

#### Manageability

- Get clear information on the UPS' measurements (load level, battery level, input/output voltage and frequency) and synoptic diagram for UPS' status on a single screen with the new LCD interface
- Easily communicate with the UPS through USB, RS232 serial or over the network with the optional network card (Network-M2). Relay cards or Modbus cards are also available
- Integrate 9E into all software environments. The Eaton 9E is delivered with Eaton's Intelligent Power™ Software and is compatible with all major OS including advanced integration in VMware vCenter and Microsoft Hyper-V

#### Flexibility

- The internal bypass allows service continuity in case of an internal fault
- Extend runtime as you like by adding up to 4 external battery modules (EBM) for 2kVA and above. For extra-long runtime, XL models with internal supercharger are also available at 3kVA
- An addition to previously launched 9E 6-20kVA, Eaton 9E is now available in a wide range of 1kVA to 20kVA

#### Advanced protection for:

- ATM
- Infrastructure
- Industrial and Medical IT
- Networking
- Storage
- Telecom
- Transportation



Powering Business Worldwide

# Eaton 9E UPS

- 1 LCD Interface :  
Clear information on UPS status and measurements
- 2 1 USB port + 1 serial port
- 3 Slot for Network-M2, INDGW-M2 or Relay-MS cards



- 4 External Battery Module (EBM) connector
- 5 IEC Outlets
- 6 IEC Inputs

TECHNICAL SPECIFICATIONS	1000	2000	3000	3000VA XL
Rating (VA/W)	1000VA / 800W	2000VA / 1600W	3000VA / 2400W	3000VA / 2400W
Format	Tower			
<b>Electrical Characteristics</b>				
Technology	Online double conversion			
Input Voltage	208 / 220 / 230 / 240V			
Input voltage range without using batteries	100 – 300V			
Output voltage	208 / 220 / 230 / 240V ±1 %			
Output THDU	<2% for 100% linear load, <6% for 100% non-linear load			
Input frequency range	40Hz – 70Hz, 50 / 60Hz autoselection			
Efficiency at inverter mode	up to 91% in online mode, up to 97.5% in high efficiency mode (ECO mode)			
Overload capacity (in on-line mode)	105% – 130% : 60s, 130% – 150% : 10s, >150% : ≥300ms			
Recharge time to 90% battery capacity	4 hours	4 hours	4 hours	depends on external battery
Extendable backup time	NA	YES	YES	YES
Compatible EBM type	NA	9EEBM72	9EEBM72	9EEBM72
<b>Connections</b>				
Input	IEC C14	IEC C14	IEC C20	IEC C20
Output	4 x IEC C13	6 x IEC C13	6 x IEC C13 + 1 x IEC C19	6 x IEC C13 + 1 x IEC C19
<b>Typical backup times at 50%/100% Load (minutes)</b>				
9E	11 / 4.5	16 / 6.4	13.4 / 4.7	NA
9E + 1 EBM	NA	78 / 35	49 / 22	31 / 12
9E + 4 EBM	NA	243 / 119	173 / 83	152 / 73
<b>Communication</b>				
Communication ports	1 USB port + 1 RS232 serial port (USB and RS232 ports cannot be used simultaneously)			
Communication slot	1 slot for Network-M2, INDGW-M2 or Relay-MS cards			
Software	Intelligent Power Software			
<b>Operating conditions, Standards and Approvals</b>				
Operating temperature	0 to 40°C			
Noise level	37dB @ typical load	40dB @ typical load	40dB @ typical load	40dB @ typical load
Safety	IEC/EN 62040-1			
EMC, Performance	IEC/EN 62040-2			
Approvals	CE, CB report (TUV)			
<b>Dimensions D x H x W / Weight</b>				
UPS Dimensions (mm)	356 x 228 x 144	399 x 330 x 190	399 x 330 x 190	399 x 330 x 190
UPS Weight (kg)	9.5kg	22.4kg	24.2kg	7.9kg
EBM dimensions (mm) (for 2000 / 3000VA)	399 x 330 x 190			
EBM weight (kg)	35.8kg			
<b>Customer service &amp; support</b>				
Warranty	3 years			

# Eaton 9E UPS

6kVA/10kVA/15kVA/20kVA



9E 10kVA



LCD display for clear information on the UPS' status and measurements



## Essential Online UPS

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- Power more servers than most similar UPSs due to a 0.8 power factor
- Trust a leading manufacturer with decades of experience and high quality standards: CE compliance certified by external agency (CB report from the TUV)

### Manageability

- Get clear information on the UPS' status and measurements (load level, battery level, input/output voltage and frequency) on a single screen with the new LCD interface
- Easily communicate with the UPS through USB, RS232 serial or over the network with the optional network card (Network-M2). Relay cards or Modbus cards are also available
- Integrate 9E into all software environments. The Eaton 9E is delivered with Eaton's Intelligent Power™ Software and is compatible with all major OS including advanced integration in VMware vCenter and Microsoft Hyper-V

### Flexibility

- The internal bypass allows service continuity in case of an internal fault. A maintenance bypass is also available as standard for easy maintenance of the UPS without powering down critical systems
- Make your installation more flexible with a combo input (3:1 and 1:1) on the 10kVA, 15kVA, and 20kVA
- Extend runtime as you like by adding up to 4 external battery modules (EBM). For extra-long runtime, XL models with internal supercharger are also available at 10kVA and 20kVA

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# Eaton 9E UPS

- 1 LCD Interface :  
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- 2 1 USB port + 1 serial port
- 3 Slot for Network-M2, INDGW-M2 or Relay-MS cards



Eaton 9E 6Ki



- 4 Input/Maintenance/Output connection
- 5 External battery module (EBM) terminal block
- 6 Casters

TECHNICAL SPECIFICATIONS	6kVA 1:1	10kVA 1:1 and 3:1	15kVA 1:1 and 3:1	20kVA 1:1 and 3:1
Rating (VA/W)	6kVA/4.8kW	10kVA/8kW	15kVA/12kW	20kVA/16kW
Format	Tower			
<b>Electrical Characteristics</b>				
Technology	Online double conversion			
Input voltage	220/230/240V			
Input voltage range without using batteries	176-276V without derating (up to 110-276V with derating)			
Output voltage/THDU	220V/230V/240V ±2 %, THDU<3%			
Input frequency range	45Hz-66Hz, 50/60Hz autoselection			
Efficiency	Up to 93% in Online mode, 97% in ECO mode			
Short circuit current	82A	137A	205A	273A
Overload capacity	105%-110% : 5min, 110%-130% : 1min, 130%-150% : 10s, >150% : 100ms			
<b>Connections</b>				
Input	Terminal block			
Outputs	Terminal block			
<b>Typical backup times at 50% and 75% load</b>				
9E	20/12	15/9	16/9	15/9
9E + 1 EBM	75/47	60/36	38/26	27/19
9E + 4 EBM	222/140	170/110	117/76	82/54
<b>Communication</b>				
Communication ports	1USB port + 1 RS232 serial port (USB and RS232 ports cannot be used simultaneously)			
Communication slot	1 slot for Network-M2, INDGW-M2 or Relay-MS cards			
Software	Intelligent Power Software			
<b>Operating conditions, Standards and Approvals</b>				
Operating temperature	0 to 40°C			
Noise level	<55dB			
Safety	IEC/EN 62040-1			
EMC, Performance	IEC/EN 62040-2			
Approvals	CE, CB report (TUV)			
<b>Dimensions D x H x W / Weight</b>				
UPS Dimensions (mm)	612.9 x 708.5 x 262.4	612.9 x 708.5 x 262.4	706 x 815.5 x 350	706 x 815.5 x 350
UPS Weight (kg)	68	85.4	145.3	159.9
EBM Catalog Number	9EEBM240	9EEBM240	9EEBM480**	9EEBM480**
EBM Unit	1	1	2	2
EBM dimensions (mm) /per unit	579.4 x 708.5 x 262.4	579.4 x 708.5 x 262.4	579.4 x 708.5 x 262.4 <sup>†</sup>	579.4 x 708.5 x 262.4 <sup>†</sup>
EBM weight (kg) /per unit	105.5	132	132	132
UPS with supercharger (and no batteries) dimensions (mm)	-	612.9 x 708.5 x 262.4	-	706 x 815.5 x 350
UPS with supercharger (and no batteries) weight (kg)	-	28.9	-	47.8

\* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

\*\* 9EEBM480 consist of 2 units of 9EEBM240

<sup>†</sup> Dimensions for 9EEBM240

In the interests of continuous product improvement, all specifications are subject to change without notice.