

# Eaton 9E UPS

1 -20kVA



9E 10kVA



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



## Essential Online UPS

### Reliability and performance

- The Eaton 9E constantly monitors power conditions and regulates voltage and frequency due to the online double conversion topology.
- 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).

### Flexibility

- The internal bypass allows service continuity in case of an internal fault. A maintenance bypass is also available at 6kVA and above 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 2kVA and above. For extra-long runtime, XL models with internal supercharger are also available at 3kVA, 10kVA and 20kVA.

### 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-MS). 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.

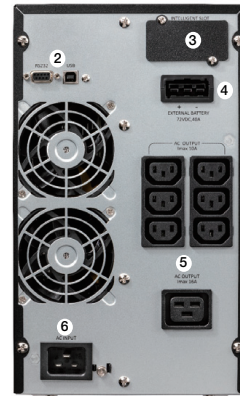
### Advanced protection for:

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

# Technical Specifications

## Eaton 9E UPS

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



- 4 External battery module  
(EBM) connector
- 5 IEC outlets
- 6 IEC inlet

TECHNICAL SPECIFICATIONS	1000VA	2000VA	3000VA	3000VA XL
Rating (VA/W)	1000VA/800W	2000VA/1600W	3000VA/2400W	3000VA/2400W
Format	Tower			
Electrical Characteristics				
Technology	Online double conversion			
Input Voltage	208/220/230/240V			
Input voltage range without using batteries	176-300V without derating (up to 100-300V with derating)			
Output vVoltage	208/220/230/240V±1 %			
Output THDU	THDU: <2% for 100% linear load, <6% for 100% non-linear load			
Input frequency range	40Hz-70Hz, 50/60Hz autoselection			
Efficiency	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
Connections				
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
Typical backup times at 50%/100% Load (minutes)				
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
Communication				
Communication ports	1 USB port + 1 RS232 serial port (USB and RS232 ports cannot be used simultaneously)			
Communication slot	1 slot for Network-MS, ModBus-MS or Relay-MS cards			
Software	Intelligent Power Software			
Operating conditions, Standards and Approvals				
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)			
Dimensions D x H x W / Weight				
UPS Dimensions (mm)	356 x 228 x 144	399 x 330x 190	399 x 330x 190	399 x 330x 190
UPS Weight (kg)	9.5Kg	22.4Kg	24.2Kg	7.9Kg
EBM dimensions (mm) (for 2000/3000VA)		399 x 327 x 190		
EBM weight (kg)		35.8Kg		
Customer service & support				
Standard warranty	2 years			



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



Eaton 9E 6Ki



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

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			
Electrical Characteristics				
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 ±1 %, 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			
Connections				
Input	Terminal block			
Outputs	Terminal block			
Typical backup times at 50% and 75% load				
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
Communication				
Communication ports	1USB port + 1 RS232 serial port (USB and RS232 ports cannot be used simultaneously)			
Communication slot	1 slot for Network-MS, ModBus-MS or Relay-MS cards			
Software	Intelligent Power Software			
Operating conditions, Standards and Approvals				
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)			
Dimensions D x H x W / Weight				
UPS Dimensions (mm)	612.9 x 708.5 x262.4	612.9 x 708.5 x262.4	706 x 815.5 x 350	706 x 815.5 x 350
UPS Weight (kg)	68	85.4	145.3	159.9
EBM dimensions (mm)	579.4 x 708.5 x 262.4	579.4 x 708.5 x 262.4	579.4 x 708.5 x 262.4	579.4 x 708.5 x 262.4
EBM weight (kg)	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
Customer Service & Support				
Warranty	2 years	2 years	1 year	1 year

\* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc. In the interests of continuous product improvement, all specifications are subject to change without notice.



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