

# Eaton 9135 UPS

5000 – 6000 VA



Hot swappable batteries



LCD rotatable display

#### Advanced power protection for:

- Medium-density data centers
- Banking and security systems
- Manufacturing process control
- Retail point-of-sale systems
- Telecommunications/VoIP equipment



#### Double conversion UPS

##### Highest power performance

- The 9135 is constantly monitoring power conditions—regulating both voltage and frequency. Even when presented with the most severe power problems, this UPS's output remains within two percent of nominal voltage.
- Under normal power conditions, the 9135 can operate in high-efficiency mode at up to 97 percent efficiency thus decreasing utility and cooling bills. In double conversion mode, the UPS operates at up to 91 percent efficiency.

##### Unmatched reliability

- With a wide range of acceptable input voltages, this UPS does not depend on batteries to smooth out power fluctuations. Batteries are conserved for those times when utility power is highly unstable or completely out.
- The 9135 features hot-swappable components and an automatic internal bypass. Users can even remove and replace the battery and power modules without powering down the UPS or interrupting power to loads.
- Up to four external battery modules (EBMs) can be added to deliver more than an hour of extended runtime at full load—or hours under lighter loads. Each EBM occupies only 3U of rack space.
- With load segments users can also remotely re-boot locked-up network equipment. During a power outage, you could shut down power to less essential loads to extend battery backup time for more critical devices.

##### Outstanding versatility

- The 9135 increases power density, delivering 5000 - 6000 VA/4200W in only 3U of rack space, freeing more rack space for IT and telecom equipments.
- The UPS offers deployment versatility through rack and tower installation options with rail kits and pedestals provided.
- This UPS is even more user-friendly than its predecessors offering greater distribution capabilities, with eight IEC 10A & two IEC 16A outlets to power multiple pieces of equipment without a PDU.
- An intuitive LCD interface provides detailed information and menu-driven functions for UPS management. The blue, backlit LCD screen displays four lines of alphanumeric information. LEDs clearly display UPS status.
- The 9135 comes complete with the Eaton Software Suite CD, including SNMP compatible LanSafe power management software. LanSafe® & Netwatch provide control and visibility over multiple UPSs, using an intuitive, graphical interface.



Powering Business Worldwide

# Eaton 9135 UPS



1. Multilingual graphical LCD display
2. Panel for replacing batteries
3. USB & Serial ports, Contact port, EPO connector
4. EBM battery unit connector
5. Load segments
6. Communications card slot

## TECHNICAL SPECIFICATIONS

General	
User interface	Graphical LCD with blue backlight and text in English, French, German, Portuguese, Italian and Spanish
LEDs	Four status-indicating LEDs
Topology	Double-conversion
Diagnostics	Full system self-test
UPS bypass	Automatic bypass
Rail kit	Included with all units
Electrical Input	
Nominal voltage	230V (220V-240V user selectable)
Voltage range	156–280 Vac (output PF 0.7)
Power draw of UPS (full load)	5000VA: 21.7A @230V 6000VA: 26A @230V
Recommended input-breaker rating	35A
Frequency	50/60 Hz autoselect
Frequency range	40–70 Hz
Electrical Output	
Power factor	0.7
On utility voltage	±2% of nominal regulation
On battery voltage	±2% of nominal regulation
Efficiency	>97% in high-efficiency mode; 91% in normal mode
Frequency regulation	±3 Hz online
Load crest factor	3 to 1
Battery	
Internal battery type	5.5 Ah, sealed, lead-acid; maintenance free
External battery modules	Up to four per 9135, rail kits included for rack mounting modules
EBM battery type	5.5 Ah, sealed, lead-acid; maintenance free

Battery recharge time	Six (6) hours to recover 90 percent of nominal backup time after 100 percent RCD load discharge		
Battery replacement	Hot-swappable internal and external batteries		
Start-on-battery	Allows start of UPS without utility input		
Communications			
Serial port	RS-232 standard, RS-232 cable provided		
USB port	HID standard, for communicating with Windows XP/Vista		
Relay output	DB-9 Dry Contact-common alarm standard		
Software	LanSafe & NetWatch monitoring and management software		
Optional communication cards	ConnectUPS-MS Network Management Card for direct control and monitoring in SNMP networks ConnectUPS-MS Card with ModBus RTU interface Serial Management Card-MS for integration to industrial environment and building management systems, remote shutdown for IBM AS/400 systems		
Environmental			
Safety markings	CE, GS		
EMC	IEC/EN 62 040-2 class A		
Audible noise	Max 46 dB		
Ambient operating	0°C to +40°C		
Storage temperature	-20°C to +40°C with batteries and -25°C to +55°C without batteries		
Relative humidity	5–90% non-condensing		
Heat dissipation (BTUs/hr)			
Operating mode	Efficiency	5 kVA	6 kVA
Normal	91%	1150	1350
Battery	86%	1650	1960
High efficiency	97%	370	450

Description	Part number	Rating (VA/Watts)	Input plug	Output receptacles	Dimensions H x W x D, mm	Weight, kg
<b>Rack Tower Models</b>						
PW9135G5000-XL3UEU	103006721-6591	5000/3500	Hardwired	Hardwired + (2) C19, (8) C13	130 x 444 x 741	57
PW9135G6000-XL3UEU	103006722-6591	6000/4200	Hardwired	Hardwired + (2) C19, (8) C13	130 x 444 x 741	57
<b>Extended Battery Modules</b>						
PW9135N6000-EBM3U	103006723-6591	NA	NA	NA	130 x 444 x 650	77.5

BATTERY RUNTIMES*	Internal batteries		+1 EBM		+2 EBMs		+3 EBMs		+4 EBMs	
	70% Load	50% Load	70% Load	50% Load	70% Load	50% Load	70% Load	50% Load	70% Load	50% Load
PW9135G5000-XL3UEU	8	13	33	50	62	91	93	134	124	177
PW9135G6000-XL3UEU	7	10	27	40	51	74	76	110	101	146

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

