

# Eaton 9145 UPS



1-3 kVA

## Product Snapshot

<b>Power Rating</b>	: 1 kVA - 3 kVA at 0.8pf 6 kVA - 20 kVA at 0.9pf
<b>Configuration</b>	: Tower
<b>Voltage</b>	: 220V
<b>Frequency</b>	: 50/60 Hz (auto-sensing)
<b>Technology</b>	: High-frequency double conversion

## Features

- Robust design and on-line double conversion topology assures maximum reliability
- Wide input-voltage range appropriate for the harshest electrical environments
- 0.9 output power factor on 6-20kVA models
- Automatic bypass for fault-tolerance
- Cold start on battery power enables portability
- XL models for long runtime performance
- Adjustable battery quantity optimises sizing
- Intuitive front-panel LCD user interface for consistent status indication
- Inbuilt RS-232, USB & Intelligent Slot communication ports
- WINPOWER software suite bundled



Powering Business Worldwide

## Reliable High Performance Power Protection for Critical Applications

### Robust design

The 9145 double-conversion online UPS from Eaton affordably protects mission-critical applications from downtime, data loss and corruption. Its robust design enables it to operate in harsh physical and electrical environments. Its input is optimised to operate with very wide input-voltage range, reducing the number of transfers to battery power and is perfectly compatible with engine generator sets. An internal over-voltage cut-out device fitted to 1-3 kVA models automatically isolates the UPS from extremely high input voltage, protecting the UPS and your critical loads.

### High performance and reliability

The 9145 uses high frequency technology to bring its users a compact UPS that delivers perfect sine wave output. Multi power strategies are available to suit varying applications and requirements: ECO mode to reduce energy consumption, converter mode to supply stable output and online mode to ensure highest system availability. Class leading energy efficiency of up to 98% in ECO mode and 94% in online mode reduces consumption and heat dissipation. An output power factor of up to 0.9 on 6-20 kVA models provides 28% more power than competitive products.

Intelligent dynamic paralleling technology in the 6-20 kVA systems provides flexibility and enhanced reliability by enabling parallel connection of systems for increased capacity or redundancy.

### Manageability

A user-friendly graphic LCD provides convenient access to UPS parameters, operating information and user settings. Multiple communication ports, including RS232, USB and Emergency Power Off enable easy interfacing to IT, monitoring and safety systems. An intelligent slot adds further communications capability via Ethernet, RS485 or dry contacts through the use of optional communications cards.



6-20 kVA

# Eaton 9145 UPS Technical Specifications

Model Numbers: Watts/VA	800W/1000VA	1600W/2000VA	2400W/3000VA	5400W/6000VA	9kW/10kVA	9kW/10kVA	13.5kW/15kVA	18kW/20kVA
Standard Model (Internal Battery)	9145 1000in	9145 2000in	9145 3000in	9145 6Kin	9145 10Kin			
XL Model (Large Charger+ External Battery)	9145 1000in XL	9145 2000in XL	9145 3000in XL	9145 6Kin XL	9145 10Kin XL	9145 10KXL 31	9145 15KXL 31	9145 20KXL 31
Input/Output								
Nominal Input Voltage	208/220/230/240VAC			208VAC/220VAC/230VAC/240VAC				
Input Voltage Window	110~300VAC			110VAC~276VAC				
OVCD	Inbuilt			-				
Input Power Factor	0.99			0.99				
Frequency Range	45-55Hz / 54-66Hz			45-55Hz / 54-66Hz				
Phase	Single Phase with Ground			Single phase with Ground		Three phase with Ground (Combo)		
THDI	< 5% with full load			< 5% with R full load				
Power Factor	0.8			0.9				
Voltage	220/230/240VAC			208VAC/220VAC/230VAC/240VAC				
Voltage Regulation	<2%			< 1%				
Frequency (Synchronized Range)	45-55Hz/54-66Hz			45-55Hz/54-66Hz				
Frequency (BAT Mode)	50/60Hz±0.05Hz			50/60Hz±0.05Hz				
Current Crest Ratio	3:1			3:1				
Harmonic Distortion	<3% THD (Linear Load)			2% @Linear Load				
	<5% THD (Non-Linear Load )			5% @Non-Linear Load				
Output Waveform	Pure Sine Wave			Pure Sine Wave				
Overload Capacity	1min @105%~110% load 30s @110%~125% load			2min @105%~125% 30s @125%~150%			5min @100%~110% 1min @110%~130%	
Input Connection	C14 10A	Hardwired		Hardwired				
Output Connection	(2)IEC C13 10A	(4)IEC C13 10A	(4)IEC C13 10A	Hardwired				
Parallel				Yes, Upto 4 Units				
Battery								
Number of Batteries	3	8	8	20	20			
Battery Quantity/Type (Standard)	3x12V(7Ah)	8x12V(7Ah)	8x12V(7Ah)	20x12V(7Ah)	20x12V(9Ah)			
Battery Quantity XL	3x12V	8x12V	8x12V	20x12V	20x12V	24x12V	24x12V	24x12V
Backup Time	>5 minutes	>5 minutes	>5 minutes	>5 minutes	>5 minutes			
Recharge Time to 90% Capacity	5 hours							
Charging Current	8A			4A				
User Interface								
Visual	LCD Display with measurements(Input/Output/Bypass V & Hz,battery Voltage & % capacity, remaining time and level indicator,Load% and level indicator,alarm codes)							
Control	4 buttons for 1-3kVA (on/off,select,enter,mute)			4 buttons for 6-20kVA (esc,up,down,enter)				
Communications / Management								
Power Management Software	Winpower Power Management Software, included in CD							
Connection Type	USB			USB+Dry Contactor		USB+Standard RS232+2 Slots		
SNMP Interface/ AS 400 Card	Intelligent slot for optional SNMP Card/AS400/Modbus Card							
Environment								
Operating Temperature	0-45° C			0-40° C				
Humidity	0 ~ 90% (Non condensing)			0 ~ 95% (Non condensing)				
Noise Level	<50dB @ Front 1 meter			<50dB @ Front 1 meter		<55dB @ Front 1 meter		
Standards	ROHS							
Safety	IEC 62040-1							
Dimensions & Weights								
Dimension – Standard/XL Models (WxHxD mm)	145 x 220 x 400	192 x 347 x 460		260 x 708 x 550		350 x 650 x 890		
Weight – Standard Models (Kgs)	13	31	31	80	84			
Weight – XL Models (Kgs)	7	13	13	25.5	29.5	48.1	58.1	58.1

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



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