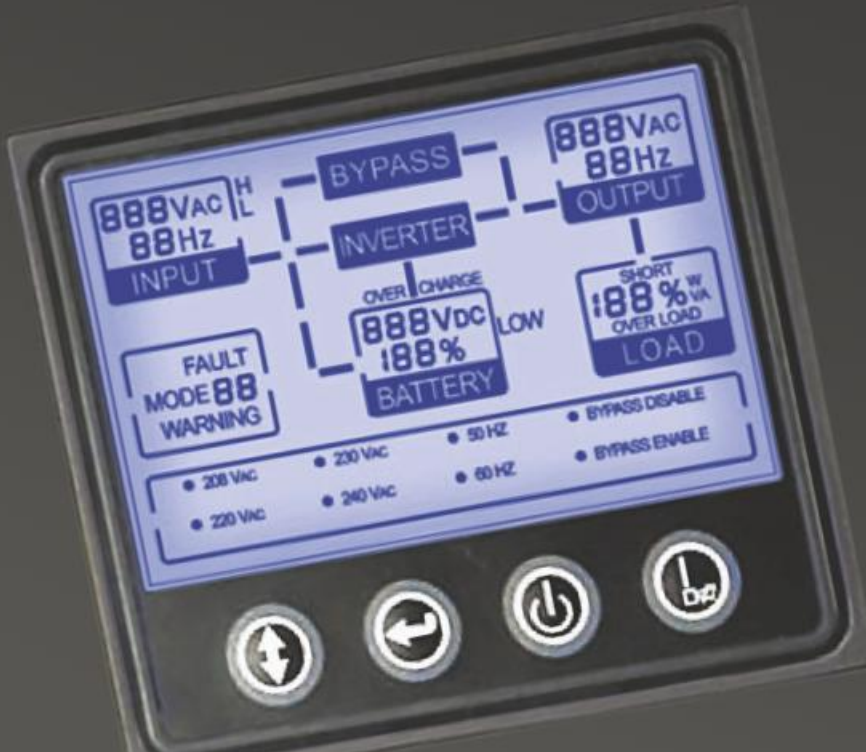


Eaton 9145 UPS

Reliable High Performance Power Protection for Critical Applications



Powering Business Worldwide



Eaton 9145 UPS

Product Snapshot

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

Advanced power protection for:

-
- IT and networking environments
 - Small data centres
 - Wiring closets
 - Enterprise server applications
 - Industrial applications
 - Medical applications

The Eaton 9145 is a double-conversion online UPS that affordably protects mission-critical applications from downtime, data loss and corruption. Its design fits perfectly to any environment where uninterrupted power feed is required to secure critical equipment's continuous operation. The double-conversion architecture incorporates rectifier and inverter stages to completely isolate the output power from all input anomalies – solving power quality problems such as surges, spikes, voltage fluctuations, harmonic distortion, clutter interference and frequency fluctuations. By adapting to a wide range of input voltages, the Eaton 9145 UPS avoids battery usage during minor power fluctuations, saving its capacity for times when utility power is completely lost.

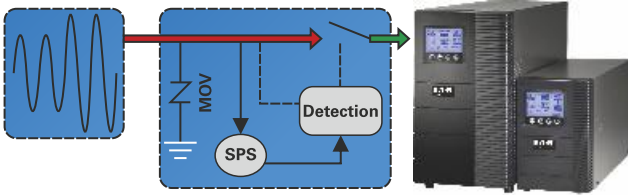
Features

- 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 - 20 kVA 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

Robust design – ideal for harsh electrical environments

The Eaton 9145's 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.

Internal OVCD (Over Voltage Cutout Device)



Protects input components from damage due to high voltage

The internal OVCD is a system designed to protect the input components from high voltage surges. It monitors the power supply to the UPS. Whenever the input voltage crosses set limit, it cuts the power supply to the UPS, thereby protecting components from damage. It resumes power supply once the voltage drops to acceptable figures.

Smart thermal management

The 9145 features smart thermal management which allows it to operate in high temperature environments upto 45° C.

Online double-conversion topology

This topology guarantees a consistently high level of power quality. Any disturbances on the distribution waveform are regenerated via the AC to DC then DC to AC conversion process. The battery is used only as a backup source.

Easy manageability

A user-friendly graphic LCD provides convenient access to UPS parameters, operating information and user settings.



Advanced communications

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.

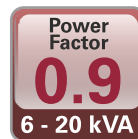
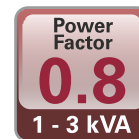
WINPOWER Software

More than ten parameters can be set through WINPOWER monitoring software, such as alerting users of a power event or pre-specified condition; automatic shut down of servers and remote supervision and control of UPS solutions.



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.



What efficiency means to our customers

Model 9145	6 kVA	10 kVA	15 kVA	20 kVA
Load in %	100%	100%	100%	100%
Load in kW	5.4	9	13.5	18
9145 Efficiency	93.6%	94%	93.8%	93.7%
Typical UPS Efficiency	90%	90%	91%	91%
Energy Saving (KWh/year)	1702	3154	3347	4289

High availability

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.

Backup times from five minutes to several hours

The Eaton 9145 UPS is available with standard backup times of five to eight minutes on full load to protect applications. XL models allow users to reach several hours of runtime using external batteries.

Cold start-on-battery power

This function ensures trouble-free start-up of your applications even during a utility power outage.

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		C20 16A		C20 16A		Hardwired											
Output Connection	(4) IEC C13 10A		(6) IEC C13 10A		(6) IEC C13 10A		Hardwired											
Parallel							Yes, Upto 2 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						Standard RS232+USB											
SNMP Interface/ AS 400 Card	Intelligent slot for optional SNMP Card/AS400/Modbus Card																	
Environment																		
Operating Temperature	0-45° C						0-40° C											
Humidity	20 ~ 90% (No condensing)						0 ~ 95% (No 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.

Headquarters

Eaton's Electrical Sector Americas Region
1000 Eaton Boulevard Cleveland, Ohio 44122, USA

South Asia Office

Eaton's Electrical Sector Eaton Power Quality Pvt. Ltd.
6th Floor, Tower- B,
Plot No. 8, Sector - 127, Noida - 201301
Tel: +91 - 0120 - 3855300
Sales and Service
Toll Free Hotline.: 1800 200 7887
E-mail: EatonPowerQualityIndia@eaton.com

Offices Across India

Mumbai
EL Floor, VITS Luxury Business Hotel,
Andheri Kurla Road, Andheri (East),
Mumbai - 400 059
Tel : +91-22-4005 3817
Fax: +91-22-4005 3810

Chennai
No. 22, Chamier's Road,
Block "D" Ashika Chambers,
Teynampet, Chennai - 600 018
Tel : +91 44 2432 0249-50
Fax: +91 44 2432 0249

Bangalore
Unit No. 501, 4th Floor,
Prestige Atrium, Central Street,
Bangalore - 560 001
Tel : +91 80 4901 2200
Fax: +91 80 4901 2239

Ahmedabad: +91 932 703 1597
Chandigarh: +91 172 501 1578
Coimbatore: +91 934 541 9578
Cochin: +91 934 982 1582
Gurgaon: +91 124 410 0047
+91 124 436 6315
Hyderabad: +91 40 4018 9601
Kolkata: +91 33 4004 0968
Pune: +91 20 3061 1886

Sales and Service Operations

Sri Lanka:
+94 11 2871 000
+94 11 7520 000
+94 11 7520 031

Nepal:
+97 714429777
+97 714429888
+97 714423376

Bangladesh:
+8802 7170368, 7162568, 7162619
+8802 9347918, 9330765, 9348220