

Eaton Power Xpert 9395P UPS



750kW to 900kW

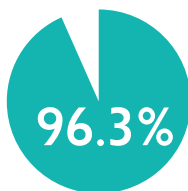
Total capacity in parallel upto 7200kW

Power factor 0.9 or 1



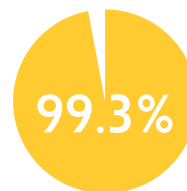
The Dashboard

Best in Class Efficiency



Double conversion efficiency
40°C without de-rating
Native N+1, N+2

Best in Class Footprint



ESS efficiency
3 Levels IGBT 2ms



Power
Failure



Power
Sag



Power
Surge



Under-
Voltage



Over-
voltage



Line
Noise



Frequency
variation



Switching
Transient



Harmonic
Distortion

Key Features:

- Modular and Transformer free Design
- Scalable (Off and On premises)
- Modules isolation for ease of maintenance
- Standard Backfeed protection
- Distributed bypass design
- Centralized bypass design
- Integration with LV board
- VRLA and LIB ready
- WEB / SNMP / MODBUS communication

Key Patents:

ESS Energy Saver System

VMMS Variable Module Management

HotSync® spofless technology

ECT Easy Capacity Test

ABM Advanced battery management

Easy sync control



Powering Business Worldwide

Eaton Power Xpert 9395P 750-900kW Technical Specification

in accordance with IEC 62040-3

GENERAL

Ratings	750 kVA / 750 kW	900 kVA / 825 kW	900 kVA / 900 kW
Model catalogue reference	9395P-750(900)	9395P-900(900)	9395P-900(900)-PF1
Number of UPM's (Uninterruptible Power Modules)	3 UPM's		
Upgradeability	up to 900 kVA		
External paralleling	Up to 5 units with distributed bypass Up to 7 units with centralized bypass		
UPS topology	Double conversion, 3-level IGBT converters		
UPS performance classification	VFI-SS-111		

ENVIRONMENTAL

Ratings	750 kVA / 750 kW	900 kVA / 825 kW	900 kVA / 900 kW
Acoustic noise at 1 m in 25°C ambient temperature	< 81dBA in double conversion, full load		
Ambient operating temperature range UPS	0 to +40 °C		0 to +35 °C
Relative humidity range	5 to 95%, no condensation allowed.		
Operating altitude	1000 m above sea level at rated maximum ambient temperature		

INPUT CHARACTERISTICS

Ratings	750 kVA / 750 kW	900 kVA / 825 kW	900 kVA / 900 kW
Rated input voltage	220/380 V; 230/400 V; 240/415 V		
Voltage tolerance Rectifier input	rated voltage -15% / +15%		rated voltage -9% / +15%
Bypass input	rated voltage -10% / +10%		
Rated input frequency	50 or 60 Hz		
Input power factor, double conversion mode 25-100% load	> 0.99		
Rated rectifier input current	1131 A (400 V)	1260 A (400 V)	1365 A (400 V)
Maximum rectifier input current	1362 A	1500 A	1500 A
Bypass input current, recommended/maximum	1083 A/1245 A	1299 A/1494 A	1299 A/1494 A
Input current distortion at rated input current Resistive load	< 3%		
@ 100% Linear Load	2.5%		
AC power distribution system compatibility	TN-S, TN, TT, IT (4-wire or 3-wire)		
Rectifier ramp-up, rectifier start and load step	Yes		
Backfeed protection	Yes, for both rectifier and bypass lines		

BYPASS CHARACTERISTICS

Ratings	750 kVA / 750 kW	900 kVA / 825 kW	900 kVA / 900 kW
Type of bypass	Static		
Bypass rating	900 kVA		
Bypass voltage range	220/380 V; 230/400 V; 240/415 V tolerance -10% / +10% of rated voltage		
Transfer time break	No break		
Maintenance bypass	Available as an option		
Rated conditional short-circuit current, I _{cc} Static bypass Optional integrated maintenance bypass	100 kA (internal ultra rapid fusing)		

MECHANICAL

Ratings	750 kVA / 750 kW	900 kVA / 825 kW	900 kVA / 900 kW
UPS dimensions (width x depth x height)	3710 x 880 x 1880 mm		
Shipping weight	2490 kg		
Installed weight	2380 kg		
UPS Cable entry	Top / bottom entry		
UPS Degree of protection	IP20		
UPS colour	Black, RAL 9005		

EFFICIENCY & HEAT DISSIPATION

Ratings	250 kVA / 250 kW	300 kVA / 275 kW	300 kVA / 300 kW
Efficiency in double- conversion, rated linear load			
100% load	95.8 %	95.6 %	95.5 %
75% load	96.1 %	96.0 %	95.8 %
50% load	96.2 %	96.3 %	96.3 %
25% load	95.1 %	95.6 %	95.7 %
Heat dissipation in double conversion			
100% load	32.9 kW	38.0 kW	42.4 kW
75% load	22.2 kW	25.8 kW	29.6 kW
50% load	14.8 kW	15.8 kW	17.3 kW
25% load	9.0 kW	9.5 kW	10.1 kW
0% load	4.3 kW	6.5 kW	6.5 kW

OUTPUT CHARACTERISTICS

Ratings	750 kVA / 750 kW	900 kVA / 825 kW	900 kVA / 900 kW
Output power rating	750 kVA	900 kVA	900 kVA
Output power factor	pf 1.0		
Number of output phases	3 phase + neutral + PE		
Rated output voltage	220/380 V; 230/400 V; 240/415 V, configurable		
Rated output frequency	50 or 60 Hz, configurable		
Overload capability @ max temperature- On inverter	10 min 120% load	10 min 110% load	
	30 sec 136% load	30 sec 125% load	
	10 sec 165% load	10 sec 150% load	
	300 ms >165% load	300 ms >150% load	
Load power factor, permitted range	From 0.7 lagging to 0.8 leading without de-rating		

BATTERY CHARACTERISTICS

Ratings	750 kVA / 750 kW	900 kVA / 825 kW	900 kVA / 900 kW
Battery technology	12 V, VRLA		
Battery quantity	"38 - 41 battery blocks, 228 - 246 cells per string"	"40 - 41 battery blocks, 240 - 246 cells per string"	
Battery voltage range	456-492 V	480 - 492 V	
Recharge profile	Advanced Battery Management (ABM®)		
Charging current limit	360 A		
Alternative backup power technologies	Lithium-ion batteries Wet cell batteries NiCd batteries Supercapacitors		



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