



Powering Business Worldwide

EATON 93PM UPS TECHNICAL SPECS

Power modules			
Power Offering (kW)	10–200 kW in 5 kW increments at 208/220V 20–160 kW in 10 kW increments at 415/400/380V 20–200 kW in 10 kW increments at 480V 200–400 kW in 50 kW increments at 480V Note: optional internal redundancy available for all models		
General Characteristics			
Efficiency with Energy Saver System (ESS)	Up to 99%		
Efficiency in Double-Conversion Mode	Up to 97%		
Parallel Capability	Up to eight distributed. Some restrictions may apply; contact factory for more information.		
Input	480V models	400V models	208V models
Voltage	480/277V 4-wire 480V 3-wire	380/220V 4-wire 400/230V 4-wire 415/240V 4-wire	208/120V 4-wire 220/127V 4-wire
Voltage range	+10% / -15%	+10% / -10%	+15% / -15% @ 208V +10% / -15% @ 220V
Frequency range	50/60 Hz		
Power factor	> .99		
Input current distortion	<3% @ 100% load capacity	<3% @ 100% load capacity	≤ 3.5% @ 100% load capacity
Battery	480V models	400V models	208V models
Battery voltage	432V, 480V	480V	480V
Charging method	ABM® technology		
Battery type	VRLA, AGM, Gel, Wet, Lithium, Flywheel, Super Caps	VRLA, AGM, Gel, Wet, Lithium, Flywheel, Super Caps	VRLA, AGM, Gel, Wet, Lithium
Output	480V models	400V models	208V models

Voltage	480 3-phase 3-wire or 4-wire 208/120V with optional IAC-D, up to 200 kW	380V, 400V or 415V 3-phase 3-wire or 4-wire	208V or 220V 3-phase 3-wire or 4-wire
Frequency range	50/60 Hz		
Regulation	±1% steady state		
Voltage THD	< 1% (100% linear load); < 5% (non-linear load)		
Load power factor range	Unity with the ability to support 0.8 leading to 0.8 lagging without de-rating		
Certification	480V models	400V models	208V models
Safety	UL 1778, cULus, UL 924 Emergency, UL 924 Auxiliary	UL 1778, cULus	UL 1778, cULus
EMC	FCC Part 15 Subpart B Class A		
Surge	IEC 61000-4-5		
UPS DIMENSIONS			
Height	74"		
Depth	42"		
Width	22" <ul style="list-style-type: none"> • 20–150 kW (480V) • 20-120 kW (400V) • 10–120 kW (208/220V) 32" <ul style="list-style-type: none"> • 160–200 kW (480V) • 120-160 kW (400V) 34.4" <ul style="list-style-type: none"> • 10–160 kW (208/220V) 43.3" <ul style="list-style-type: none"> • 10–200 kW (208/220V) 64" <ul style="list-style-type: none"> • 250–400 kW (480V) 		
UL 924 Certification			
The 93PM meets the strict standards for UL 924 compliance for emergency lighting applications when ordered with an emergency lighting SKU. For more information, visit Eaton.com/UL924UPS .			