



EATON 93PM AUXILIARY LIGHTING AND POWER UPS TECHNICAL SPECS

→ [Back to 93PM UPS family page](#)

→ [Back to emergency lighting UPS family page](#)

→ [See all Eaton 93PM UPS Documentation](#)

→ [See all Eaton emergency lighting UPSs Documentation](#)



UPS Rating (1.0 power factor)			
kW		20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200	
General Characteristics			
Audible noise		65 dBA at 200 kW	
Altitude (max)		1,500 meters / 4,922 feet	
Scalability		Up to 4 internal power modules External parallel with up to 8 UPSs Interact with the 93PM to take a closer look	
Efficiency		93PM efficiency with ESS- 99% 93PM double-conversion efficiency- up to 97%	
Input Characteristics			
Voltage		480 (208 with IAC-D)	
Voltage range		+10% / -10%	
Frequency range		50/60 Hz	
Power factor		≥ .99	
Input current distortion		<3% @ 100% load capacity	
Soft start capability		Yes	
Internal backfeed protection		Yes	
Output Characteristics			
Voltage		480 (208 with IAC-D)	
Regulation		±1% steady state	
Inverter		PWM with IGBT Switching	
Voltage THD		< 1% (100% linear load); < 5% (non-linear load)	
Load power factor range		.8 leading to .8 lagging without de-rating	
Heat dissipation (BTU/Hr x 1000/Hr)		20 kW, 480V: 2.55 30 kW, 480V: 3.58 40 kW, 480V: 4.56 50 kW, 480V: 5.70 60 kW, 480V: 7.16 70 kW, 480V: 8.36 80 kW, 480V: 9.12 90 kW, 480V: 10.26 100 kW, 480V: 11.40 110 kW, 480V: 12.54	120 kW, 480V: 13.68 130 kW, 480V: 14.82 140 kW, 480V: 15.96 150 kW, 480V: 17.10 160 kW, 480V: 18.24 170 kW, 480V: 19.38 180 kW, 480V: 20.52 190 kW, 480V: 21.66 200 kW, 480V: 22.80
Battery			
Battery type		VRLA	
Battery voltage		480V	
Charging method		ABM or float technology	
Dimensions and Weights			
	Height (mm/inches)	Width (mm/inches)	Depth (mm/inches)
93PM Auxiliary Lighting UPS - 50, 100, 150 frame	1880/74	559/22	1067/42

93PM Auxiliary Lighting UPS- 200 frame	1880/74	813/32	1067/42
Serviceability			
Back/side against wall installation	Standard, front access only		
Certification			
Safety	UL 924 Auxiliary Lighting		
EMC	FCC Part 15 Subpart B Class A		
Surge	IEC 61000-4-5		
Optional line and match accessories			
• External slim maintenance bypass • Integrated distribution cabinet (with input and output transformer options) • Integrated parallel tie cabinets • Integrated battery cabinet (small and large)			
PredictPulse remote monitoring service			
24x7 remote monitoring of UPS and battery alarms, online dashboard for real-time updates, mobile app for alarms and monthly report. PredictPulse requires the PXGX-UPS Card and Environmental Monitoring Probe			
Communication Options			
The following connectivity options can be installed at any time:	Power Xpert Gateway Mini-slot communication card Industrial relay card		

Due to continuing improvements, specifications are subject to change without notice.



[Site Map](#) | [Change Country](#) | [Privacy Policy](#) | [Terms and Conditions](#) | [Copyright](#)

(K0)
Copyright ©2018
Eaton
All rights reserved.