

# Eaton 230/400V UPS Feature Selection Guide - India



Model & Technology					Phases		Cabinet & Connections						Communications & Control					Battery					Enhanced Features																	
Series	Model	Class	VA Range	Output PF	Technology	Input	Output	Cabinet Config	Softwired or Hardwired	Back-Feed Prot <sup>5</sup>	Output Sockets	Dual Input	Load Segment Control	Tel/Net Surge Prot	LCD	USB	RS232	Relay	Comm Card Slot	Remote Control	Internal Battery	Extra Charger Capacity	External Battery	ABM	Temp Comp	Cold Start	Scale-able	Parallel System Capable	Freq Conv Mode	High Eff Mode	VMMS	ECT	Sync Control	Int MBS						
5	Aurora	E	600/1000VA	0.6/0.5	Line Interactive	1 Phase	Tower	SW	A,N	IN	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-	-	-	-	-					
	NV	E	600-2000VA	0.6				IEC (IN on 600VA)	-	-	✓Tel	-	✓	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-	-	-	-				
	5S	S	550-1500VA	0.6				IEC	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-	-	-	-	-			
	5EL	E	1-2kVA	0.6				IN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	✓	-	-	-	-	-	-	-	-	-			
	5SC	S	500-1500VA	0.7	Line Interactive, Sine Wave			1 Phase	Tower	SW	A,N	IEC	-	-	-	-	-	✓	✓	-	-	-	✓	-	-	✓	-	-	✓	-	-	-	-	-	-	-	-	-		
	5P	P	650-1550VA	0.65-0.7						Tower & Rack	SW	A,N	IEC	-	✓with Metering	-	✓	✓	✓	-	1 MiniSlot	ROO/RPO	Int	-	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	
	5130	S	1250-3000VA	0.9						RT	SW	A,N	IEC	-	✓	-	-	✓	✓	-	1 MiniSlot	ROO/RPO	✓	-	✓EBM	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-
	5PX	P	1500-3000VA	0.9						RT	SW	A,N	IEC	-	✓with Metering	-	✓	✓	✓	-	1 MiniSlot	ROO/RPO	✓	-	✓EBM	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-
											SW	A,N	IEC	-	✓with Metering	-	✓	✓	✓	-	1 MiniSlot	ROO/RPO	✓	-	✓EBM	✓	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-
9	DX-LCD	E	1-10kVA	0.8	On Line, Double Conversion	1 Phase	Tower			SW	≤3kVA HW ≥6kVA	A,N 1-3kVA	IEC 1-3kVA HW 3-20kVA	-	-	✓Tel	✓	-	✓	-	1 DXSlot	-	✓except XL	✓XL Models	✓XL Models	-	-	✓	-	Option	-	-	-	-	-	-	Option			
	DX	E	1-20kVA	0.7		1Ph≤10kVA				SW	≤3kVA HW ≥6kVA	A,N 1-3kVA	IEC 1-3kVA HW 3-20kVA	-	-	✓Tel	-	-	✓	-	✓	-	1 DXSlot	-	✓except XL	✓XL Models	✓XL Models	-	-	✓	-	✓≥6kVA 3 Units	-	-	-	-	-	-	✓	
	EX	S	700-3000VA	0.9		1 Phase				Tower & RT	SW	A,N	IEC	-	✓	-	✓	✓	✓	-	1 MiniSlot	ROO/RPO	✓	-	✓	-	✓EXB	-	✓	✓	-	-	✓	✓	-	-	-	-	-	
	9130	P	700-3000VA	0.9						Tower & Rack	SW	A,N	IEC	-	✓	-	✓	✓	✓	✓	1 MiniSlot	EPO/CI	✓	-	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-	-	-	-	-	
	9130	P	5/6kVA	0.9				Tower	HW	-	-	IEC	-	✓	-	-	-	✓	✓	✓	✓	1 MiniSlot	EPO/CI	✓	-	✓	✓	✓	✓	-	-	✓	✓	-	-	-	-	-		
	9SX	S	5-11kVA	0.9				RT	HW input	A,N ≤6kVA	IEC & HW on 5/6kVA, HW on 8-11kVA	✓8-11kVA	-	✓5/6kVA with Metering	✓	✓	✓	✓	✓	1 MiniSlot	ROO/RPO	°	Optional External	°EBM	✓	✓	✓	✓	✓	-	-	✓	✓	-	-	-	-	✓†		
	9PX	P	5-11kVA	0.9				RT	HW input	only	IEC & HW on 8-11kVA	✓8-11kVA	-	✓5/6kVA with Metering	✓	✓	✓	✓	✓	1 MiniSlot	ROO/RPO	°	Optional External	°EBM	✓	✓	✓	✓	✓	✓	✓2 units HotSync	✓	✓	-	-	-	-	✓†		
	9PX 3:1	P	6-11kVA	0.9				3Phase	RT	HW input	-	-	✓	-	-	-	-	✓	✓	✓	✓	1 MiniSlot	ROO/RPO	°	Optional External	°EBM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓†	
	MX Frame	P	5-20kVA	0.9				1 Phase or 3 Phase	RT	HW	IEC & HW	✓	-	✓	-	✓	✓	✓	✓	2 MiniSlot	ROO/RPO	✓	-	✓EXB	-	✓	-	✓	✓	-	✓	-	-	-	-	-	-	✓		
	9155	P	8-30kVA	0.9				1/3Ph ≤10k 3Ph ≥12k	Cabinet	HW	A	-	✓	-	✓ <sup>4</sup>	-	-	-	✓	✓	✓	✓	2 XSlot	EPO,2CI	Option	✓	✓	✓	✓	✓ <sup>1</sup>	✓4 units HotSync	✓	✓†††	-	-	-	-	-	✓†	
	DX	E	20-80kVA	0.8				3 Phase	Cabinet	HW	A	-	✓	-	✓	-	-	-	✓	✓	✓	✓	1 DXSlot +RS485	EPO	Option ≤40kVA	-	✓	-	Option	✓	✓6 units	✓	✓†††	-	-	-	-	-	✓	
	9355	P	8-40kVA	0.9		Cabinet			HW	A	-	-	✓	-	✓	-	-	-	✓	✓	✓	✓	2 XSlot	EPO,2CI	Option	-	✓	✓	✓	✓ <sup>1</sup>	✓4 units HotSync	✓	✓†††	-	-	-	-	-	✓†	
	BladeUPS	P	12-60kW	1.0		On Line, Double Conv on Demand			Rack	HW & SW <sup>5</sup> , dependant on config	A	Optional RPM with IEC Sockets	-	-	-	-	-	✓	-	✓	✓	✓	2 XSlot	EPO, 2CI	✓	-	✓ <sup>∞</sup> EBM	✓	-	✓6 modules HotSync	-	✓	-	-	-	-	-	✓**		
	93E	E	80-400kVA	0.9		Cabinet			HW	A, Option	-	-	✓	-	✓	-	-	✓	✓	✓	✓	✓	2 MiniSlot	EPO, 3CI	-	-	✓	✓	-	-	✓4 units HotSync	-	✓†††	-	✓	-	-	✓††		
	93PM	P	30-200kW	1.0		On Line, Double Conversion			Cabinet	HW	A	-	✓	-	✓	-	-	✓	✓	✓	✓	✓	3 MiniSlot	EPO, 5CI	Int + Ext	✓	-	✓	✓	✓ <sup>2</sup>	✓8 units HotSync	-	✓ESS	-	✓	-	-	✓††		
9390	P	40-160kVA	0.9	Cabinet	HW	A	-		-	✓	-	✓	-	-	✓	✓	✓	✓	✓	4 XSlot	EPO,6CI	-	-	✓	✓	Option	Option	✓ <sup>2</sup>	✓5 units HotSync	✓	✓ESS	-	✓	-	✓††					
9395	P	225-1100kVA	0.9	Cabinet	HW	A <sup>6</sup>	-		-	✓	-	✓	-	-	✓	✓	✓	✓	✓	4 XSlot	EPO,6CI	-	-	✓	✓	Option	-	✓ <sup>3</sup>	✓5 units HotSync	✓	✓ESS	✓	✓	✓	✓††					

\* BladeUPS, 9135, 9140 & MX/MX Frame feature a built-in bypass facility with hot swappable electronics modules

~ 5130, 9135, EX & MX models feature automatic periodic battery testing

† Internal Maintenance Bypass Switch optional on 9X55, 9PX/9SX. 9PX/9SX MBS attaches to UPS and enables UPS/Power Module removal

†† Internal Maintenance Bypass Switch standard on 9390 40-80kVA & 93PM 50kW, optional on 9E 80-120kVA & 93PM 100-150kW, optional on 9395 275/550kVA (Finland built units)

††† ECO mode not available on 20-40kVA EDX parallel systems. Also only available on 9X55 8-15kVA, non parallel

° 9SX/9PX 8-11kVA & 9PX 3:1 6-11kVA have no internal battery, minimum 1 x EBM must be included. External Battery rack or cabinet can be connected with

∞ Large external batteries can be connected to each BladeUPS 12kW module if external Circuit Breaker option is added to each 12kW module

<sup>1</sup> 9155 firmware scaleable 8S to 10S, 8N to 10N, 12N to 15N, 20N to 30N. 9X55 firmware scaleable 8 to 15, 20 to 30

<sup>2</sup> 93PM firmware scaleable from 30kW to 40kW to 50kW. 9390 firmware scaleable 60 to 80, 100 to 120

<sup>3</sup> 9395 scalability dependant on initial configuration

<sup>4</sup> Field fitted option on 60/80kVA

<sup>5</sup> Back-Feed Protection: A = Active, N = Neutral. Any UPS with only Active back-feed relay/contactors cannot have soft wired input unless an additional relay is fitted - refer engineering

<sup>6</sup> Back-Feed Protection contactor not included on India models - request as option

### Classes:

E = Essential = Good features, Good performance

S = Superior = More features, Better performance

P = Premier = Leading features, Best performance

EPO = Emergency Power Off

RPO = Remote Power Off

ROO = Remote On/Off

CI = Configurable Input