

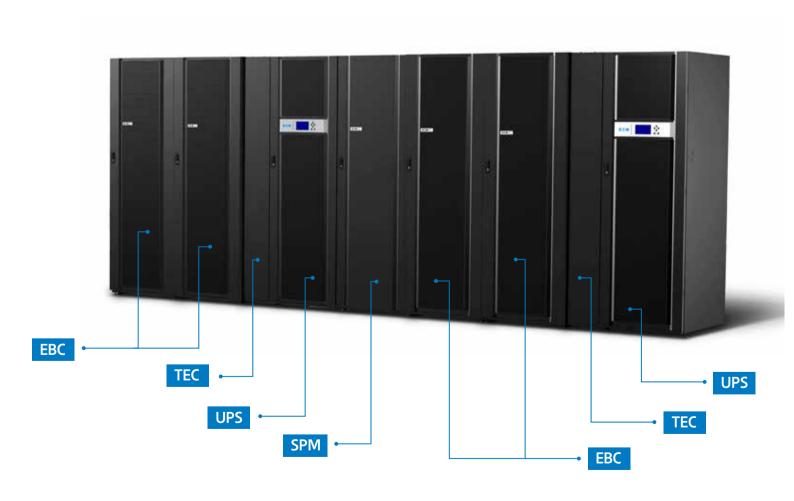


Eaton's range of accessories for 93E and 93PM UPS systems provides flexible installation options that expedite deployment and save valuable space. The aesthetically designed accessories enable coordinated solutions that enhance both safety and reliability whilst reducing installation time and total cost.

The Accessories family includes:

- System Parallel Modules (SPM)
- External Maintenance Bypass Switches (MBS)
- External Battery Cabinets (EBC)
- External Battery Circuit Breakers (EBCB)
- Top cable Entry Cabinets (TEC)
- Rear Chimneys (RC)
- IP21 kit (IP21)
- Internal Transformer Options (93E 80-120kVA)







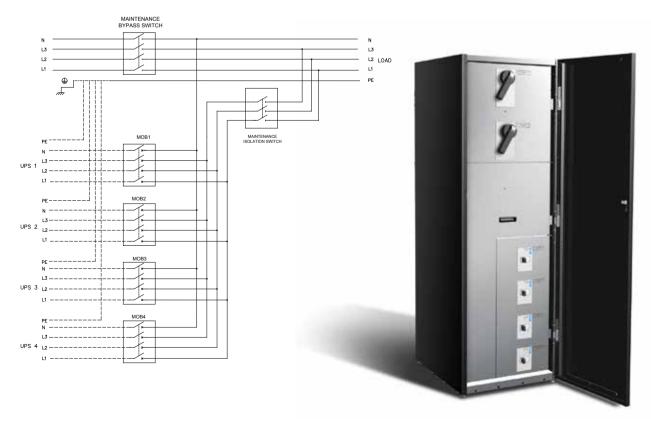
SPM

Distributed parallel systems provide the customer with the ability to either increase capacity, add redundancy, or both. The System Parallel Module is a line-up-and-match cabinet that includes UPS output isolators and a system bypass facility in a compact, easy to install enclosure.

Features:

- Module Output Breakers (MOB) to enable individual isolation of each parallel connected UPS output
- Electro-mechanically interlocked switchgear to bypass and isolate the complete system for maintenance
- Flat hinged and lockable front door to match with 93E and 93PM UPS
- Factory configurable to enable connection of 2 to 4 UPS modules
- Side cable entry points facilitate 93E and 93PM UPS inter-cabinet UPS output cabling for "line-up and match" installation and top or bottom cable entry facilitates installation of system bypass and output cables.

Standard Models	SPM360	SPM600
System Configuration	4 x 120kVA, N+1	4 x 200kVA N+1
System Rating/Capacity	360kVA	600kVA
Dimensions (W*D*H)mm	600*797*1876	
Cabinet Colour	Black HBT100730	
Weight	260kg	285.5kg
IP Rating	IP20 (with door open)	
Operating Temperature	0-40°C	
Relative Humidity	5-95%	





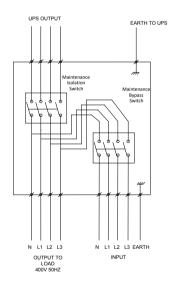
MBS

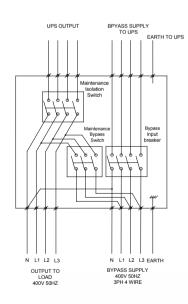
External Maintenance Bypass Switches add safety and reliability by enabling seamless transfers to bypass and isolation of the UPS system for maintenance.

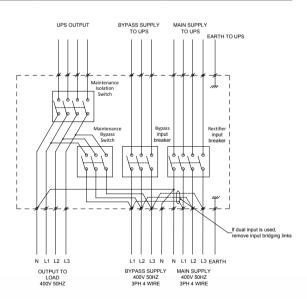
Features:

- External wall mounting enclosures with bottom cable entry
- Three different switch configurations to suit site requirements
- Flat hinged and lockable front door
- Electro-mechanical Interlock for interface to UPS to prevent out of sequence operation
- Switched Neutrals for full isolation

Model	MBS120	MBS200
MBS Rating/UPS rating range	120kVA/80-120kVA	200kVA/150-200kVA
System Rating/Capacity	2 switch "Tail-end" 3 Switch "Wrap-around" 4 Switch "Wrap-around"	
Dimensions (W*D*H)mm	810*277*832	
Cabinet Colour	Black HBT100730	
Weight(4 switches)	85kg	91kg
IP Rating	IP20 (with door open)	
Operating Temperature	0-40°C	
Relative Humidity	5-95%	







EBC

The line-up-and-match External Battery Cabinets minimise footprint, maximise safety and serviceability. They can be preloaded with batteries for delivery to site as a complete battery cabinet, reducing site installation time.



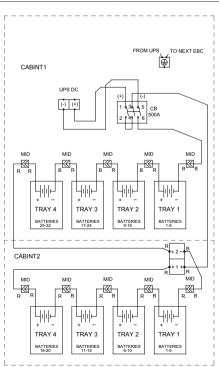
Features:

- Front access cabinets designed to accommodate a range of high-density/high-rate VRLA batteries, combining long run time with small footprint
- DC rated battery circuit breaker provides protection and enables isolation for maintenance
- Slide-out battery trays with retaining latches and inter-tray connectors facilitate safe and easy maintenance
- Side or rear cable entry points facilitate remote or "line-up and match" installation with 93E and 93PM UPS
- Daisy-chain cabinets for extended runtime
- Cabinet wheels for easy off-loading and positioning

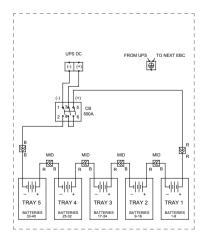
EBC I	EBC II
Size 1:229L*139\	W*203H
Size 2:261L*174\	N*215H
Size 3:309L*169\	W*215H
Size 4:319L*173\	N*205H
Size 5:342L*173\	N*217H
Size 6:345L*173W*278H	
Up to 40 x Size	Up to 40 x Size
1-2	3-5
5~22	5~60
010*277*022	2-810*277*832
010 277 032	
Black HBT100730)
236 Eka	236.5kg+231kg
230.3kg	
IP21 (with door open)	
	Size 1:229L*139\ Size 2:261L*174\ Size 3:309L*169\ Size 4:319L*173\ Size 5:342L*173\ Up to 40 x Size 1-2 5~22 Black HBT10073(236.5kg

Notes:

- Refer to battery information for detailed run times and environmental specifications
- EBC II will be shipped in two parts











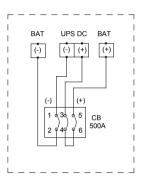
EBCB

Wall mountable External Battery Circuit Breaker cabinets for remote battery cabinet or battery rack installations.

Features:

- External wall mountable steel enclosure
- Copper bars facilitate connection of up to 6 separate battery strings
- Auxiliary contact for remote signaling of circuit breaker status

Model	EBCB120	EBCB200
UPS Power Rating Support	Up to 120kVA	Up to 200kVA
Rating	750V, 320A	750V, 500A
Dimensions (W*D*H)mm	810*277*832	
Cabinet Colour	Black HBT100730	
Weight (Kg)	15kg	18.9kg
IP Rating	IP20	
Operating Temperature	0-40°C	
Relative Humidity	5-95%	



TEC (for 93E 80-200kVA)



The Top Entry Cabinet adds ample space for top cable entry whilst maintaining a compact footprint.

Features:

- Field fitted option, attaches to left side of UPS, re-utilising the UPS left side panel
- Removable top steel gland plate
- TEC 200 includes cables and terminals to convert 160/200kVA UPS from rear connection to front connection

Model	TEC120	TEC200
93E UPS Model Support	80/100/120kVA	160/200kVA
Dimensions (W*D*H)mm	150 x 789x 1856	250 x 789 x 1856
Weight	31kg	75kg



IP21 Kit (for 93E 80-200kVA)

Features:

- Increases UPS & SPM cabinet rating from IP20 to IP21
- Easy field assembly, only front access required
- Low profile





Rear Chimney (for 93E 80-200kVA)

The Rear Chimney accessory converts the UPS cabinet airflow from Front-to-Rear to Front-to-Top, enabling direct placement against a wall and directing UPS exhaust away from any adjacent battery cabinets to prevent heating of the batteries and the resultant reduced battery life.

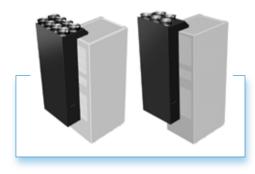
Features:

- Easy field assembly
- Top mounted fans and fan power supply for ease of maintenance
- Fans monitored by UPS

Model	RC120	RC200
UPS Model Support	93E 80/100/120kVA	93E 160/200kVA
Dimensions (W*D*H)mm	600 x 449 x 1558	600 x 449 x 1558
Weight	32kg	36.5kg
IP Rating	IP20	
Acoustical Noise (including UPS)	≤70dB	≤72dB
Operating Temperature	0-40°C	
Relative Humidity	5%-95%	





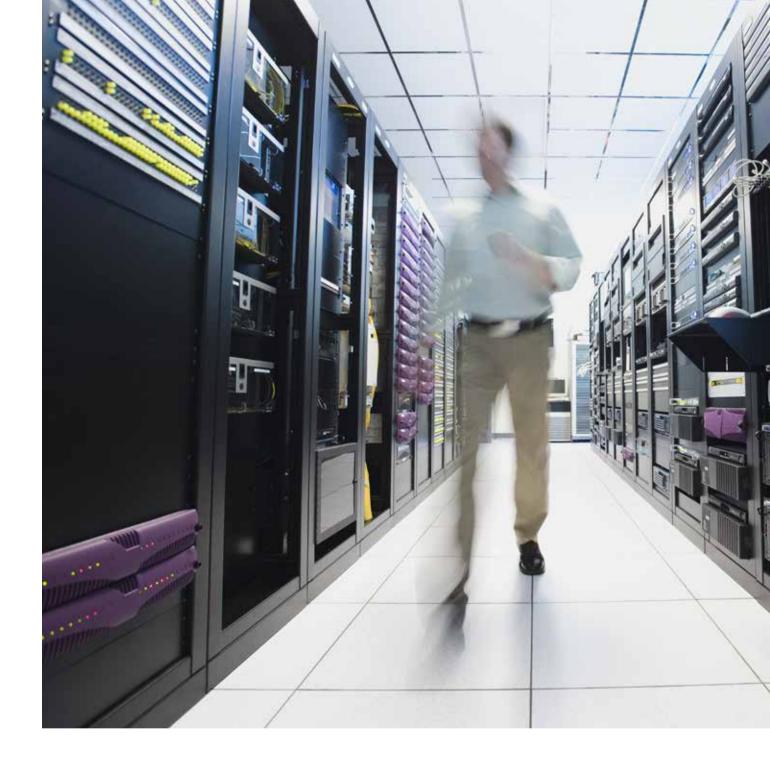


Internal Transformer (for 93E 80-120kVA)

For applications where galvanic isolation is required, the 93E 80-120kVA models can be factory fitted with an internal isolation transformer.

Features:

- Double wound isolation transformer with DY11 vector and 1:1 ratio
- Can be configured for input or output connection



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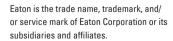
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