



APC Symmetra LX Statement of Volatility (SoV)

Following is a statement of memory volatility for the American Power Conversion Symmetra LX UPS product which consists of multiple uninterruptible power supply (UPS) modules, LCD display interface, network management card (NMC), and, optionally, extended run battery cabinet (XR frame).

2:2 Systems - 208/240V (2PH + N + G)

Model	Memory Type	Memory Size	Volatile or Non-Volatile	Retain information when power is turned off?	Alterable in the field?	Battery Backed up?
Intelligence Module - SYMIM5						
	FLASH	4Mbits	Non-Volatile	Yes	No	No
	SRAM	1Mbit	Volatile	No	Yes	No
	EEPROM	32Kbytes	Non-Volatile	Yes	Yes	No
	EEPROM	32Kbytes	Non-Volatile	Yes	Yes	No
	EEPROM	8Kbytes	Non-Volatile	Yes	Yes	No
	SRAM	7,216 bytes	Volatile	No	Yes	No
	SRAM	1Kbyte	Volatile	No	Yes	No
Power Module – SYPM4KP						
	EEPROM	32Kbytes	Non-Volatile	Yes	Yes	No
	SRAM	7,216 bytes	Volatile	No	Yes	No
	EEPROM	4Kbits	Non-Volatile	Yes	Yes	No
Battery Module – SYBT5 / SYBT5FR						
	EEPROM	3500Bytes	Non-Volatile	Yes	Yes	No
	EEPROM	512Bytes	Non-Volatile	Yes	Yes	No
	SRAM	128Bytes	Volatile	No	Yes	No
Extended Run (XR) Frame Communication Card - SYAFSU16						
	FLASH	4Mbits	Non-Volatile	Yes	No	No
	SRAM	1Mbit	Volatile	No	Yes	No
	EEPROM	32Kbytes	Non-Volatile	Yes	Yes	No
	EEPROM	8Kbytes	Non-Volatile	Yes	Yes	No
	SRAM	1Kbyte	Volatile	No	Yes	No
PowerView LCD Display Interface – AP9215RM						
	FLASH	1Mbit	Non-Volatile	Yes	Yes	No
	SRAM	1Mbit	Volatile	No	Yes	No
	EEPROM	32Kbytes	Non-Volatile	Yes	Yes	No
	EEPROM	16Kbits	Non-Volatile	Yes	Yes	No
	SRAM	512Bytes	Volatile	No	Yes	No
	SRAM	128Bytes	Volatile	No	Yes	No
	FLASH	64 bits	Volatile	Yes	Yes	No
NMC - AP9631						
	FLASH	8Mbytes	Non-Volatile	Yes	Yes	No
	SRAM	1Mbyte	Volatile	No	Yes	No
	SRAM	4Kbytes	Volatile	No	Yes	No
	SRAM	128x48 bits	Volatile	No	Yes	No



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Model	Memory Type	Memory Size	Volatile or Non-Volatile	Retain information when power is turned off?	Alterable in the field?	Battery Backed up?
	SRAM	512 x 64 bits	Volatile	No	Yes	No
	SRAM	1536 x 24 bits	Volatile	No	Yes	No
	SRAM	32 x 68 bits	Volatile	No	Yes	No
	SRAM	128 x 8 bits	Volatile	No	Yes	No
	SRAM	64x32 bits	Volatile	No	Yes	No

1:1 / 3:1 Systems - 220/230/240V (1P + N + G) or 380/400/415V (3PH + N + G)

Model	Memory Type	Memory Size	Volatile or Non-Volatile	Retain information when power is turned off?	Alterable in the field?	Battery Backed up?
Intelligence Module - SYMIM5						
	FLASH	4Mbits	Non-Volatile	Yes	No	No
	SRAM	1Mbit	Volatile	No	Yes	No
	EEPROM	32Kbytes	Non-Volatile	Yes	Yes	No
	EEPROM	32Kbytes	Non-Volatile	Yes	Yes	No
	EEPROM	8Kbytes	Non-Volatile	Yes	Yes	No
	SRAM	7,216 bytes	Volatile	No	Yes	No
	SRAM	1Kbyte	Volatile	No	Yes	No
Power Module – SYPM4KI						
	EEPROM	14000Bytes	Non-Volatile	Yes	Yes	No
	EEPROM	512Bytes	Non-Volatile	Yes	Yes	No
	SRAM	368Bytes	Volatile	No	Yes	No
Battery Module – SYBT5 / SYBT5FR						
	EEPROM	3500Bytes	Non-Volatile	Yes	Yes	No
	EEPROM	512Bytes	Non-Volatile	Yes	Yes	No
	SRAM	128Bytes	Volatile	No	Yes	No
Extended Run (XR) Frame Communication Card - SYAFSU16						
	FLASH	4Mbits	Non-Volatile	Yes	No	No
	SRAM	1Mbit	Volatile	No	Yes	No
	EEPROM	32Kbytes	Non-Volatile	Yes	Yes	No
	EEPROM	8Kbytes	Non-Volatile	Yes	Yes	No
	SRAM	1Kbyte	Volatile	No	Yes	No
PowerView LCD Display Interface – AP9215RM						
	FLASH	1Mbit	Non-Volatile	Yes	Yes	No
	SRAM	1Mbit	Volatile	No	Yes	No
	EEPROM	32Kbytes	Non-Volatile	Yes	Yes	No
	EEPROM	16Kbits	Non-Volatile	Yes	Yes	No
	SRAM	512Bytes	Volatile	No	Yes	No
	SRAM	128Bytes	Volatile	No	Yes	No



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Model	Memory Type	Memory Size	Volatile or Non-Volatile	Retain information when power is turned off?	Alterable in the field?	Battery Backed up?
	FLASH	64 bits	Non-Volatile	Yes	Yes	No
NMC - AP9631						
	FLASH	8Mbytes	Non-Volatile	Yes	Yes	No
	SRAM	1Mbyte	Volatile	No	Yes	No
	SRAM	4Kbytes	Volatile	No	Yes	No
	SRAM	128x48 bits	Volatile	No	Yes	No
	SRAM	512 x 64 bits	Volatile	No	Yes	No
	SRAM	1536 x 24 bits	Volatile	No	Yes	No
	SRAM	32 x 68 bits	Volatile	No	Yes	No
	SRAM	128 x 8 bits	Volatile	No	Yes	No
	SRAM	64x32 bits	Volatile	No	Yes	No