Statement of Volatility for Smart-UPS models beginning with SMC, SMT, SMTL, SMX or SCL

The Smart-UPS product line does not contain any user addressable non-volatile memory. The UPS does contain EEPROM but this memory is only addressed by the internal microprocessor and it's not accessible to the user for any random memory storage operation. There are 2 sets of data stored in this memory, user preferences and settings for operation, as well as operational parameters needed for the device to operate properly.

The memory inside Smart-UPS units can be broken down as follows:

- On-Chip Data RAM for internal MPU registers. Not accessible to peripherals.
- On-Chip Flash for UPS FirmWare. This firmware can be updated using a special process with valid images generated by APC. There are security measures to prevent unauthorized images from being loaded.
- On-board EEPROM used by the MPU to store operating parameters. Data can only be stored into the EEPROM by the MPU. The EEPROM is not directly accessible to the user. When in factory-program mode, it can accept a limited number of user-selectable choices related to the unit's functionality, and that subset can only be programmed through APC PowerChute software, APC Network Enhancement devices, or the local user interface (if the unit has one).

SMT and SMC Models without Smart Connect (not including 1U Products)

EPROM 2 256 words on board
Flash 2 32kbytes and 256kbytes in microprocessor
RAM 2 in microprocessor

“SMTXXXXC”, “SMCXXXXC”, and “SMTLXXXXC” modes with Smart Connect

EEPROM 1 64 words (1kbit) on board
Flash 1 16Mbit on board
Flash 2 256kbytes and 512Kkbytes or 2048kbytes in microprocessor
RAM 2 in microprocessor

SMX Models (including 1U SMT Products)

EEPROM 2 256 words on board
Flash 2 64kbytes and 256kbytes in microprocessor
RAM 2 in microprocessor

SCL Models

EEPROM 1 256 words on board
Flash 2 128kbytes and 2,048kbytes in microprocessor
RAM 2 in microprocessor