Model	Battery	Real Time Calendar	Real Time Calendar latch period after power off	Program storage area	Program latch period after power off	Latched register storage area	Latched register operate period after power off	Note
ES	No battery	No	N/A	Before V7.xx EEPROM After V8.xx Flash ROM	permanent	Before V7.xx EEPROM After V8.xx Flash ROM	permanent	
EX	No battery	No	N/A	Before V7.xx EEPROM After V8.xx Flash ROM	permanent	Before V7.xx EEPROM After V8.xx Flash ROM	permanent	
EC	No battery	No	N/A	Before V7.xx EEPROM After V8.xx Flash ROM	permanent	Before V7.xx EEPROM After V8.xx Flash ROM	permanent	
SS	No battery	No	N/A	EEPROM	permanent	EEPROM	permanent	phase out
SA	Yes. non-charge battery, the life cycle is 2-4 years	Yes	based on battery	RAM	based on battery	RAM	based on battery	phase out
SX	Yes. non-charge, the life cycle is 3 years	Yes	based on battery	Before V2.xx RAM After V3.xx Flash ROM	Before V2.xx Based on battery After V3.xx permanent	Before V2.xx RAM After V3.xx Flash ROM	Before V2.xx based on battery After V3.xx permanent	
SC	Yes. non-charge, the life cycle is 3 years	Yes	based on battery	RAM	based on battery	RAM	based on battery	phase out
ES2	No battery	Yes	2 weeks	Flash ROM	permanent	Flash ROM	permanent	
EX2	No battery	Yes	2 weeks	Flash ROM	permanent	Flash ROM	permanent	
SS2	No battery	No	N/A	Flash ROM	permanent	Flash ROM	permanent	
SA2	No battery	Yes	2 weeks	Flash ROM	permanent	Flash ROM	permanent	
SX2	No battery	Yes	2 weeks	Flash ROM	permanent	Flash ROM	permanent	
EC3	No battery	No	N/A	Before V7.xx EEPROM After V8.xx Flash ROM	permanent	Before V7.xx EEPROM After V8.xx Flash ROM	permanent	
SV	Yes. Chargeable lithium battary. The max. period with charge is 6 months，suggestion: every 3 months has to charge the battery	Yes	6 months	RAM	6 months	RAM	6 months	phase out
SV2	Yes. Chargeable lithium battary. The max. period with charge is 6 months，suggestion: every 3 months has to charge the battery	Yes	6 months	Flash ROM	permanent	RAM	6 months	
SE	No battery	Yes	2 weeks	Flash ROM	permanent	Flash ROM	permanent	
EH	Yes. non-charge battery, the life cycle is 2-4 years	Yes	based on battery	RAM	based on battery	RAM	based on battery	phase out
EH2	Yes. non-charge battery, the life cycle is 2-4 years	Yes	based on battery	RAM	based on battery	RAM	based on battery	phase out
EH3	Yes. non-charge battery, the life cycle is 2-4 years	Yes	based on battery	Flash ROM	permanent	RAM	based on battery	
AH500	No battery	Yes	1 month	Flash ROM	permanent	MRAM	permanent	
DVP-PM	Yes. non-charge battery, the life cycle is 2-4 years	No	N/A	Flash ROM	permanent	RAM	based on battery	