

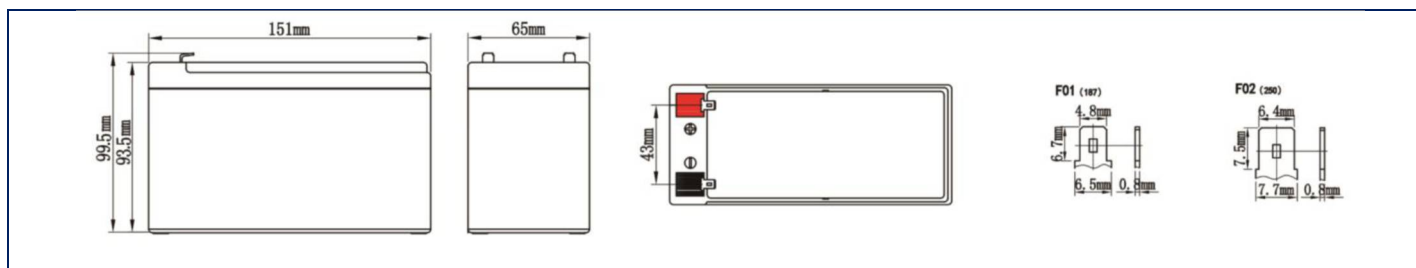
DATASHEET
SLC 9-12H
12V 9AH

AGM SEALED VRLA BATTERY
LONG LIFE 10 YEARS OF EXPECTED LIFETIME

(EUROBAT)

SPECIFICATIONS

Nominal Voltage	Nominal Capacity	Dimension ± 2mm				Weight ± 2%	Max Discharge Current (5s)	Internal Resistance	Standard Terminal	Container Material
		L	W	H	TH					
12V	9AH	151mm	65mm	93.5mm	99.5mm	2.7kg	135A	≈ 16 mΩ	T2	ABS UL94-V0


CONSTANT-VOLTAGE CHARGE

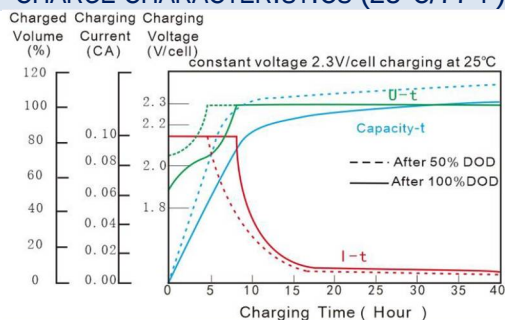
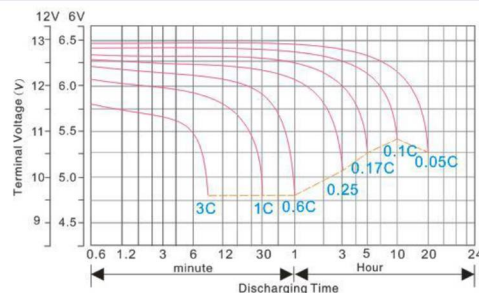
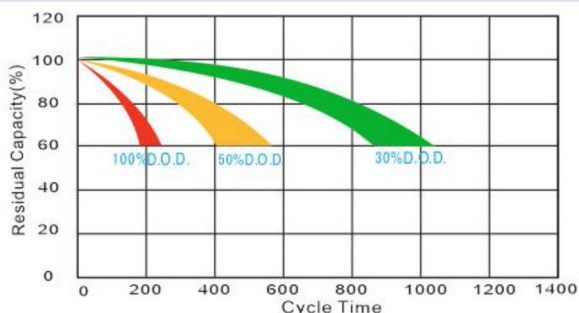
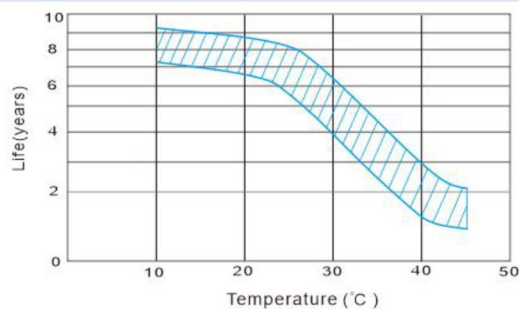
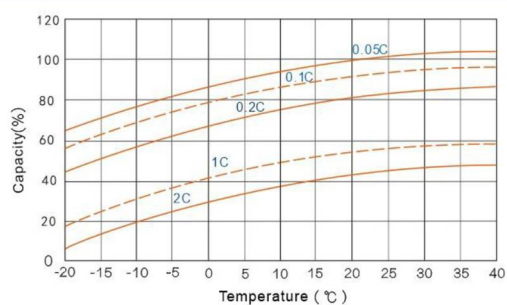
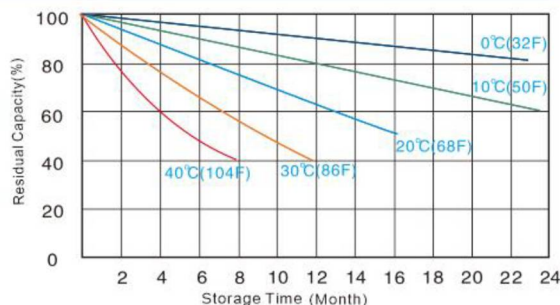
Rated Capacity	
20 hour rate (0.45A)	9.1AH
10 hour rate (0.9A)	8.45AH
5 hour rate (1.53A)	7.55AH
27 min rate (9A)	4.5AH
7 min rate (27A)	3.6AH
Capacity affected by temperature	
40°C (104°F)	103%
25°C (77°C)	100%
0°C (32°F)	86%

Cycle Application	
1. Limit initial current less than 2.25A.	
2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C(77°F).	
3. Hold at 14.1V to 14.4V until current drop to under 0.054A for at least 3 hrs.	
4. Temperature compensation coefficient of charging voltage is -30mV/°C.	
Standby Service	
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 2.25A continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charge status.	
2. Temperature compensation coefficient of charging voltage is -18mV/°C.	

Nominal Operating Temp. Range
25±3°C (77±5°F)

Operating Temperature		
Discharge: -15÷50°C	Charge: 0÷40°C	Storage: -15÷40°C

NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation

CHARGE CHARACTERISTICS (25°C/77°F)

DISCHARGE CHARACTERISTIC (25°C/77°F)

CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE

TEMPERATURE VS FLOAT LIFE

CAPACITY CURVE AT DIFFERENT TEMPERATURE

SELF DISCHARGE CHARACTERISTICS

Constant Current Discharge (Amperes) at 25°C (77°F)

End Voltage (V)	10 min	15 min	30 min	45 min	1 h	1,5 h	2 h	3 h	5 h	8 h	10 h	20 h
9.6V	23.9	18.7	9.61	6.74	5.67	4.53	3.37	2.54	1.63	1.08	0.870	0.459
9.9V	22.8	17.9	9.16	6.51	5.54	4.42	3.29	2.48	1.59	1.06	0.862	0.455
10.2V	21.7	17.0	8.72	6.29	5.40	4.31	3.21	2.42	1.55	1.04	0.853	0.450
10.5V	21.5	16.8	8.59	6.22	5.37	4.23	3.08	2.34	1.51	1.03	0.844	0.455
10.8V	21.3	16.7	8.51	6.15	5.32	4.14	2.96	2.25	1.49	1.02	0.836	0.450

Constant Power Discharge (Watts) at 25°C (77°F)

End Voltage (V)	10 min	15 min	30 min	45 min	1 h	1,5 h	2 h	3 h	5 h	8 h	10 h	20 h
9.6V	288	233	132	93.2	69.5	53.3	40.1	28.6	18.9	13.2	10.4	5.62
9.9V	274	222	125	90.0	67.8	52.0	39.1	27.9	18.4	12.9	10.3	5.57
10.2V	261	211	119	87.0	66.2	50.8	38.2	27.3	18.0	12.7	10.2	5.51
10.5V	252	205	117	85.0	65.1	50.0	37.6	26.6	17.8	12.6	10.1	5.43
10.8V	243	198	114	82.8	64.0	49.3	37.1	26.2	17.6	12.4	9.91	5.36