



## DATASHEET

# SLC 7,2-12

### 12V 7,2AH

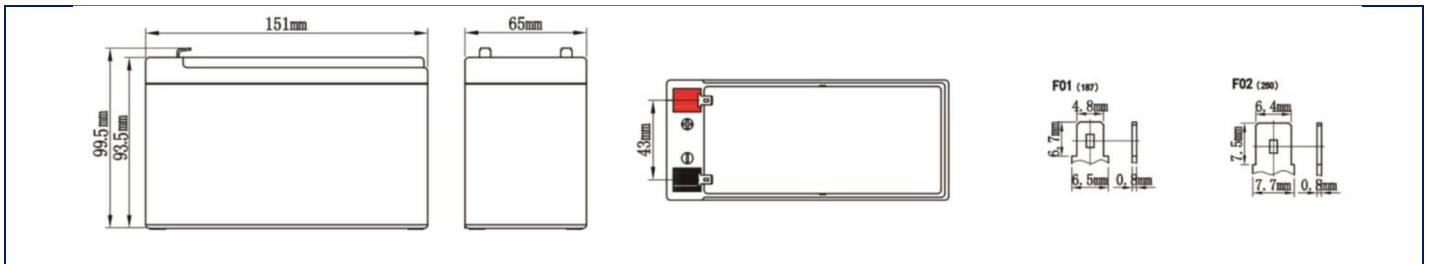
**AGM SEALED VRLA BATTERY**

**EUROBAT 2022 CLASSIFICATION: 5-6 Years**

**Designed in accordance with IEC 60896-21/22**

## SPECIFICATIONS

Nominal Voltage	Nominal Capacity	Dimension ±2mm				Weight ±2%	Max Discharge Current (5s)	Internal Resistance	Standard Terminal	Container Material
		L	W	H	TH					
12V	7,2AH	151mm	65mm	93.5mm	99.5mm	2.2kg	108A	≈22 mΩ	T2	ABS



## CONSTANT-VOLTAGE CHARGE

Rated Capacity	
20 hour rate (0.36A)	7.26AH
10 hour rate (0.72A)	6.72AH
5 hour rate (1.224A)	5.80AH
27 min rate (7.2A)	3.60AH
7 min rate (21.6A)	2.75AH
Capacity affected by temperature	
40°C (104°F)	103%
25°C (77°C)	100%
0°C (32°F)	86%

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

Cycle Application
1. Limit initial current less than 1.8A.
2. Charge until battery voltage (under charge) reaches 14.5V to 14.9V at 25°C(77°F).
3. Hold at 14.5V to 14.9V until current drop to under 0.0432A 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 1.8A 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.

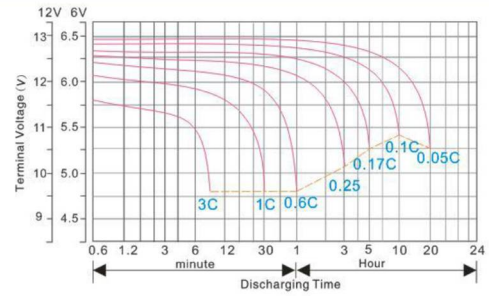
Operating Temperature
Wide operating temperature range from 0°C~40°C

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)**



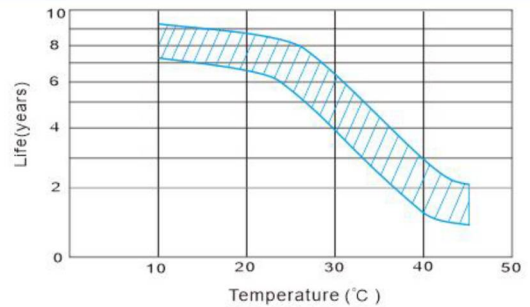
**DISCHARGE CHARACTERISTIC (25°C/77°F)**



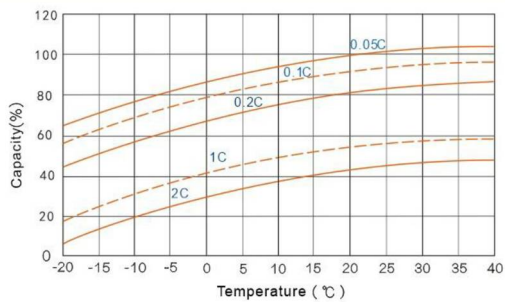
**CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE**



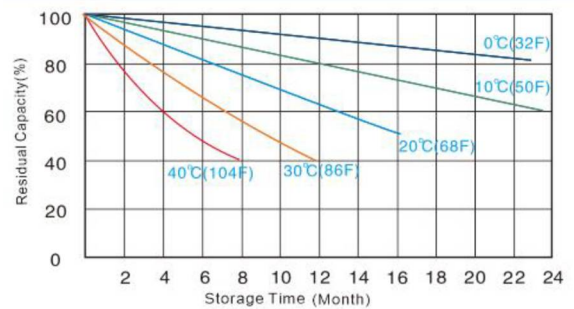
**TEMPERATURE VS FLOAT LIFE**



**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	19.2	15.1	7.70	5.42	4.54	3.62	2.70	2.04	1.30	0.867	0.699	0.374
9.9V	18.3	14.4	7.33	5.24	4.43	3.54	2.63	1.99	1.27	0.850	0.692	0.371
10.2V	17.5	13.7	6.98	5.06	4.32	3.45	2.57	1.94	1.24	0.833	0.685	0.367
10.5V	17.3	13.5	6.91	5.01	4.29	3.39	2.48	1.87	1.22	0.823	0.679	0.363
10.8V	17.1	13.4	6.85	4.96	4.26	3.32	2.38	1.82	1.20	0.813	0.672	0.358

**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	229	185	105	74.1	55.3	42.4	31.9	22.8	15.0	10.5	8.30	4.47
9.9V	218	176	99.6	71.6	53.9	41.4	31.1	22.2	14.6	10.3	8.22	4.42
10.2V	207	168	94.9	69.2	52.6	40.4	30.4	21.7	14.3	10.1	8.14	4.38
10.5V	200	163	92.9	67.6	51.8	39.8	29.9	21.2	14.1	10.0	8.01	4.32
10.8V	193	158	90.2	65.9	50.9	39.2	29.5	20.8	14.0	9.88	7.88	4.26



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