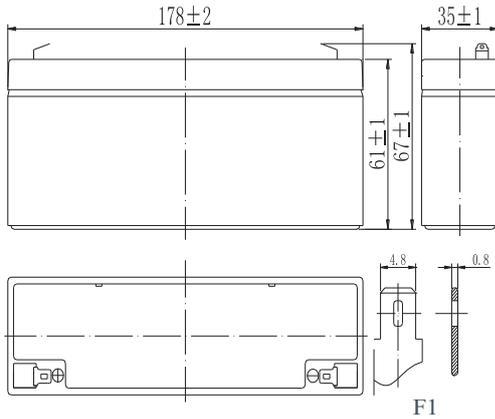


SL12-2.4(12V2.4Ah)



Dimensions



Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	2.4Ah
	10HR(10.5V)	2.15Ah
	1HR(9.60V)	1.5Ah
Dimension	Length	178± 2mm (7.01inch)
	Width	35± 1mm (1.38inch)
	Height	61± 1mm (2.40inch)
	Total Height	67± 1mm (2.64inch)
Approx. Weight		0.79kg ± 5%
Terminal type		F1
Internal resistance (Fully charged, 25°C)		Approx. 60mΩ
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C± 3°C(77°F± 5°F)
Operating temperature range	Discharge	-15°C~50°C(5°F~122°F)
	Charge	-10°C~50°C(14°F~122°F)
	Storage	-20°C~50°C(-4°F~122°F)
Float charging voltage(25°C)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		0.72A
Maximum discharge current		34.5A(5 sec.)
Designed floating life(20°C)		5 years

Constant Current Discharge Characteristics (A,25°C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	9.17	5.81	4.54	2.56	1.57	0.86	0.59	0.49	0.42	0.23	0.12
9.90V	8.89	5.63	4.42	2.50	1.54	0.86	0.59	0.49	0.42	0.23	0.12
10.2V	8.52	5.40	4.27	2.43	1.51	0.84	0.58	0.49	0.42	0.23	0.12
10.5V	8.16	5.16	4.12	2.37	1.48	0.83	0.58	0.48	0.41	0.22	0.12
10.8V	7.70	4.88	3.90	2.28	1.43	0.81	0.56	0.47	0.40	0.22	0.12

Constant Power Discharge Characteristics (Watt,25°C)

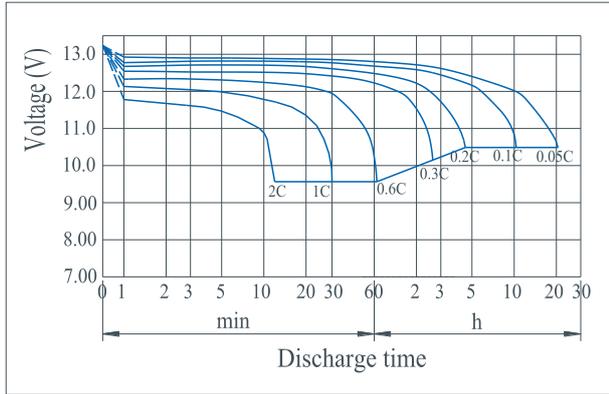
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	102.3	65.5	51.7	29.3	18.15	10.05	7.06	5.86	5.00	2.72	1.46
9.90V	99.2	63.5	50.5	28.7	17.94	9.99	7.02	5.82	4.96	2.71	1.46
10.2V	95.1	60.9	48.6	27.8	17.42	9.91	6.98	5.78	4.93	2.70	1.45
10.5V	91.1	58.3	46.9	27.1	17.11	9.76	6.93	5.75	4.90	2.69	1.44
10.8V	85.9	55.0	44.4	26.2	16.58	9.51	6.72	5.57	4.76	2.63	1.41

Note: The above characteristics data can be obtained within three charge/discharge cycles.

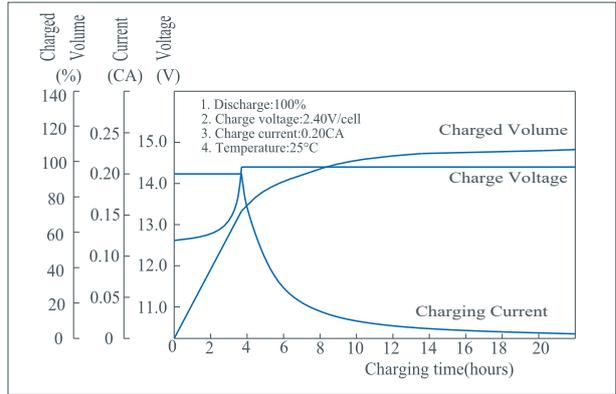
Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

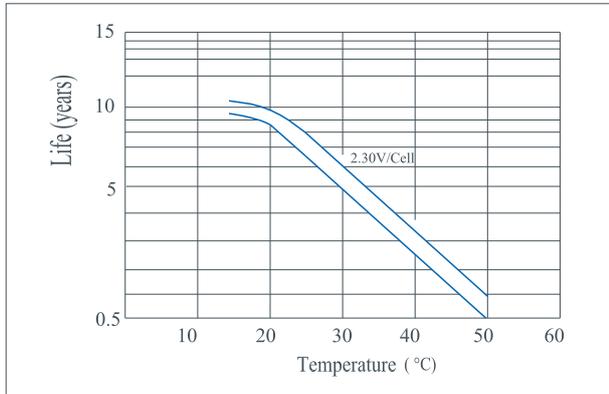
Disch Characteristics(25°C)



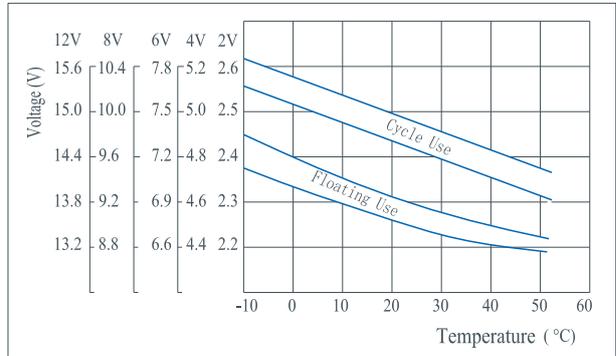
Charging Characteristics(25°C)



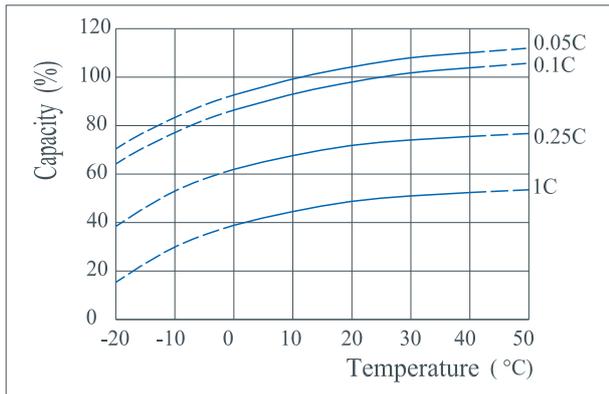
Floating Life on Temperature



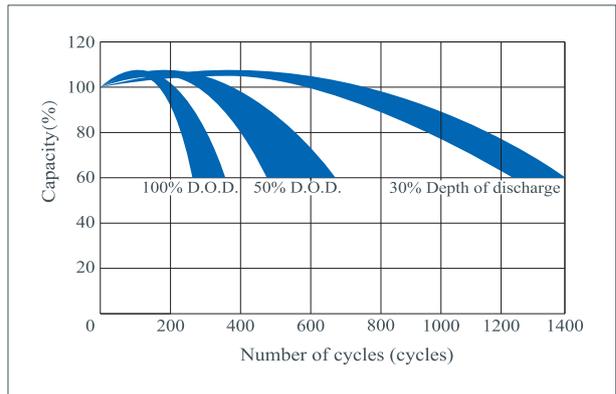
The Relationship for Charging Voltage and Temperature



Effect of Temperature on Capacity



Cycle Life on D.O.D(25°C)



High purity lead raw material, low internal resistance, low self discharge, purity above 99.995%.



Multi element alloy grid with high corrosion resistance.



Ultra low internal resistance diaphragm (diaphragm), high oxygen recombination rate.



Gold acidity ratio, strong power, no acid leakage.



Excellent recovery ability after deep discharge.



Long life design, over discharge resistance.