

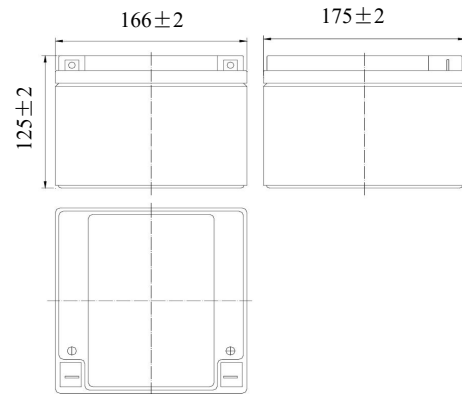
Specification

Nominal voltage	12V	
Capacity (25°C)	20HR(10.5V)	26Ah
	10HR(10.5V)	24Ah
	1HR(9.6V)	16Ah
Dimension	Length	166±2mm
	Width	175±2mm
	Height	125±2mm
	Total height	125±2mm
Approx. weight	8.20kg±4%	
Internal resistance (Fully charged,25°C)	Approx. 12mΩ	
Capacity affected by temperature(10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge(25°C)	3 months	Remaining capacity 91%
	6 months	Remaining capacity 82%
	12 months	Remaining capacity 65%
Nominal operating temperature	25±3°C	
Operating temperature range	Discharge	-15°C~50°C
	Charge	-10°C~50°C
	Storage	-20°C~50°C
Float charge voltage(25°C)	13.5V to 13.8V temperature compensation: -18mV/°C	
Cycle charge voltage(25°C)	14.5V to 14.9V temperature compensation: -30mV/°C	
Maximum charge current	7.8A	
Terminal & material	F3 / F8; Copper	
Maximum discharge current	390A(5s)	
Designed floating life(20°C)	10 years	

Feature: Absorbent Glass Mat technology
ABS container; Battery recognized by CE
Sealed and Maintenance-free Operation

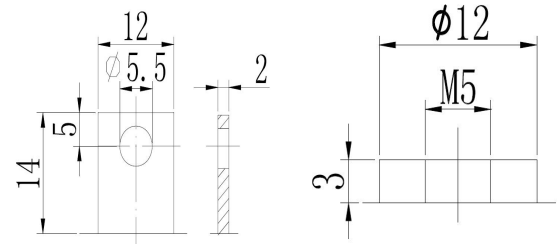


Dimension:



Terminal: F3 terminal

F8 terminal



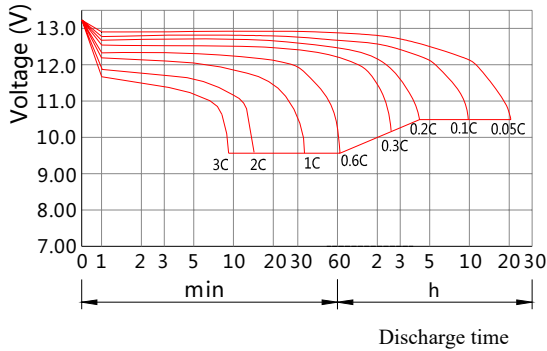
Constant Current discharge characteristics(A,25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	60.0	47.5	26.5	16.3	9.24	6.63	5.30	4.51	2.92	2.45	1.32
9.90V	58.2	46.4	26.0	16.0	9.18	6.59	5.27	4.48	2.90	2.44	1.31
10.2V	55.8	44.7	25.2	15.6	9.10	6.55	5.24	4.45	2.88	2.43	1.31
10.5V	53.4	43.1	24.6	15.3	8.96	6.50	5.20	4.42	2.86	2.42	1.30
10.8V	50.4	40.9	23.7	14.8	8.74	6.31	5.04	4.29	2.77	2.37	1.27

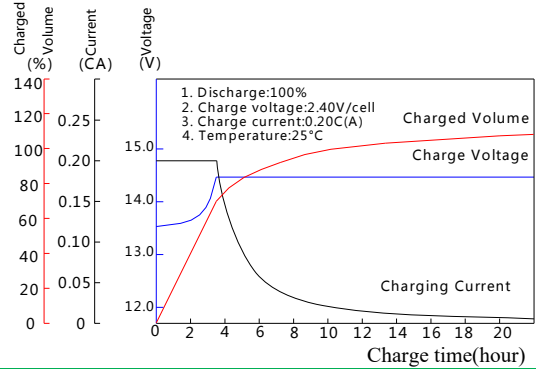
Constant Power discharge characteristics(W,25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	677	542	304	188	108	78.8	63.2	53.8	35.0	29.5	15.8
9.90V	656	529	298	185	107	78.3	62.8	53.5	34.8	29.3	15.8
10.2V	629	509	289	181	106	77.8	62.4	53.1	34.6	29.2	15.7
10.5V	602	492	282	177	105	77.2	61.9	52.8	34.3	29.0	15.6
10.8V	569	466	271	172	102	74.9	60.1	51.2	33.3	28.4	15.3

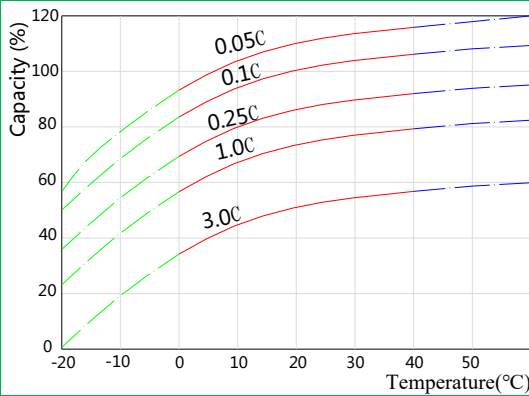
Discharge Characteristics(25°C)



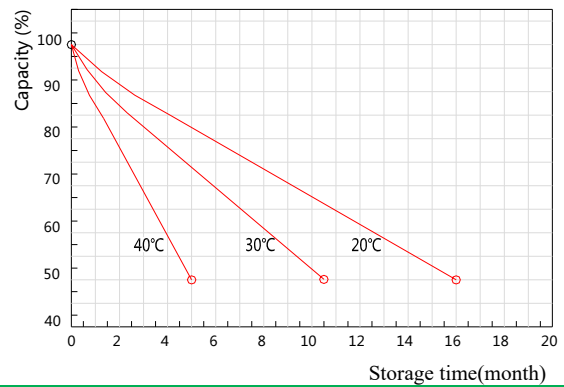
Charging Characteristics(25°C)



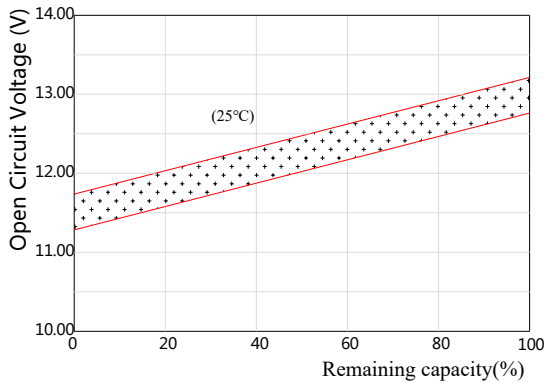
Effect of Temperature on Capacity



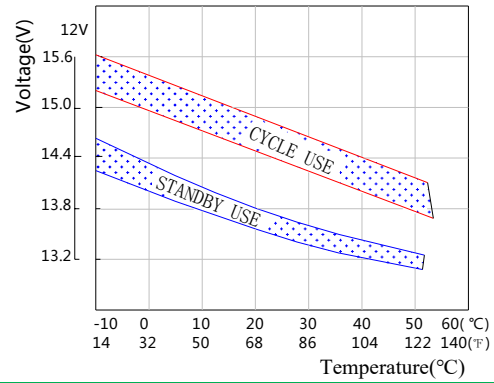
Self-discharge Characteristics



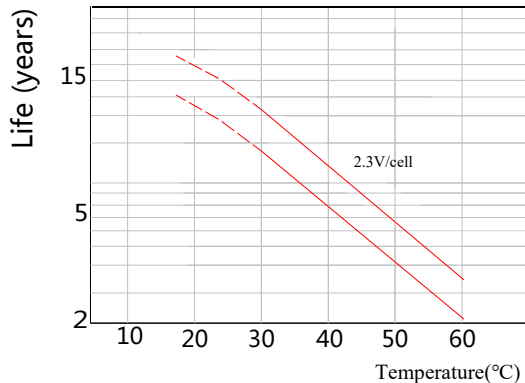
The Relationship of Open Circuit Voltage and Remaining Capacity (25°C)



The Relationship of Charge Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

