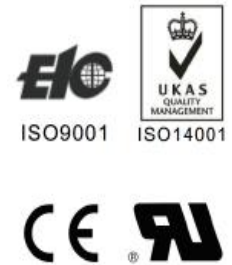


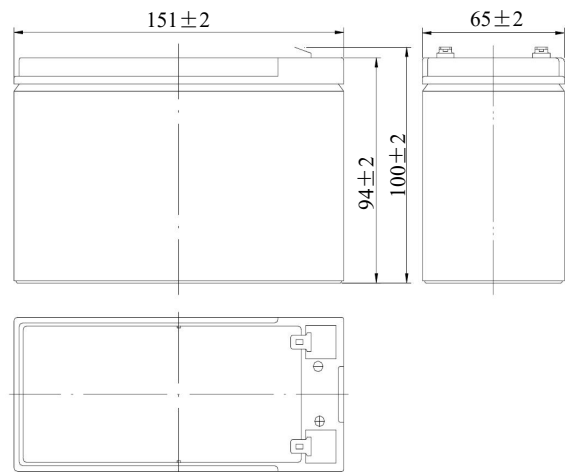
Specification

Nominal voltage	12V	
Capacity (25°C)	20HR(10.5V)	9Ah
	10HR(10.5V)	8.4Ah
	1HR(9.6V)	5.8Ah
Dimension	Length	151±2mm
	Width	65±2mm
	Height	94±2mm
	Total height	100±2mm
Approx. weight	2.57kg±4%	
Internal resistance (Fully charged,25°C)	Approx. 19mΩ	
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	2.7A	
Terminal & material	F1 / F2; Copper	
Maximum discharge current	135A(5s)	
Designed floating life(20°C)	10 years	

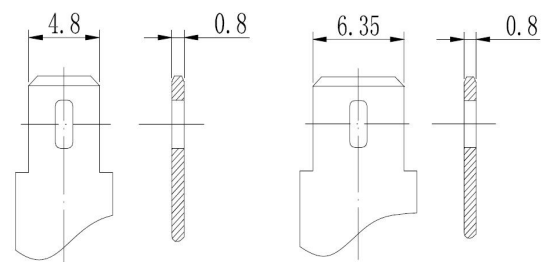
Feature: Absorbent Glass Mat technology
 ABS container; Battery recognized by CE
 Sealed and Maintenance-free Operation



Dimension:



Terminal: F1 terminal F2 terminal



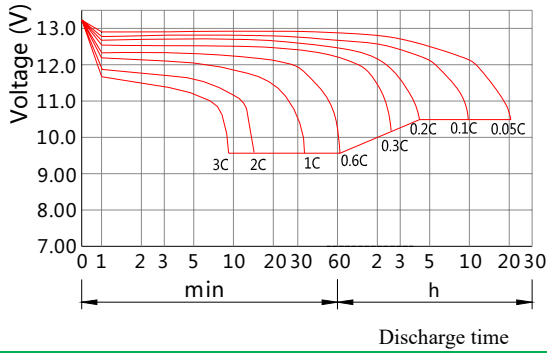
Constant Current discharge characteristics(A,25°C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	34.2	21.6	17.1	9.54	5.85	3.20	2.30	1.84	1.56	0.85	0.46
9.90V	33.2	21.0	16.7	9.35	5.76	3.18	2.28	1.83	1.55	0.85	0.45
10.2V	31.8	20.1	16.1	9.06	5.62	3.15	2.27	1.81	1.54	0.84	0.45
10.5V	30.4	19.2	15.5	8.84	5.50	3.10	2.25	1.80	1.53	0.84	0.45
10.8V	28.7	18.1	14.7	8.52	5.34	3.02	2.18	1.75	1.48	0.82	0.44

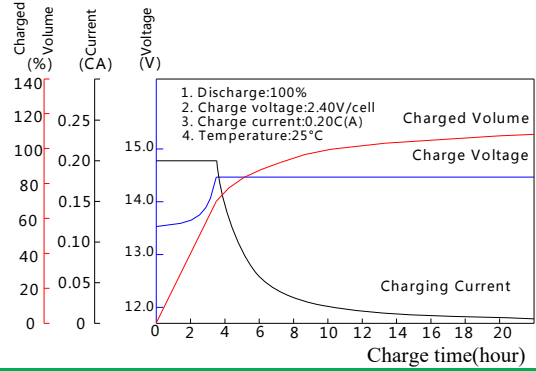
Constant Power discharge characteristics(W,25°C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	382	244	195	109	67.7	37.4	27.3	21.9	18.6	10.2	5.48
9.90V	370	236	190	107	66.7	37.2	27.1	21.7	18.5	10.2	5.46
10.2V	355	227	183	104	65.0	36.9	26.9	21.6	18.4	10.1	5.43
10.5V	340	217	177	101	63.7	36.3	26.7	21.4	18.3	10.0	5.40
10.8V	321	205	168	97.6	61.8	35.4	25.9	20.8	17.7	9.84	5.29

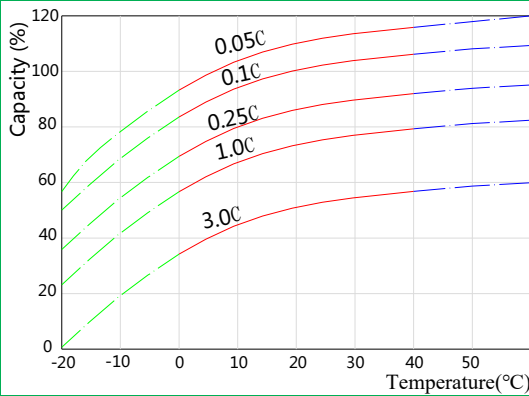
Discharge Characteristics(25°C)



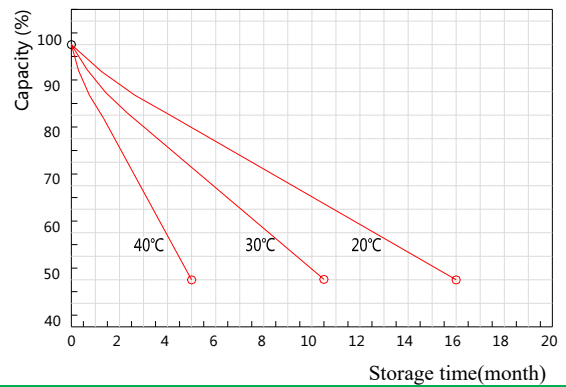
Charging Characteristics(25°C)



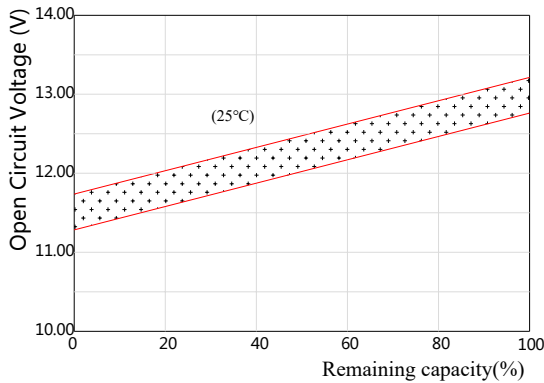
Effect of Temperature on Capacity



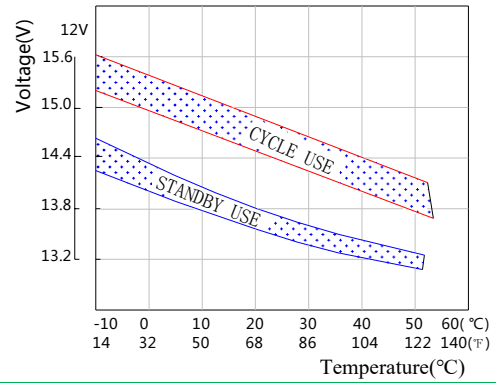
Self-discharge Characteristics



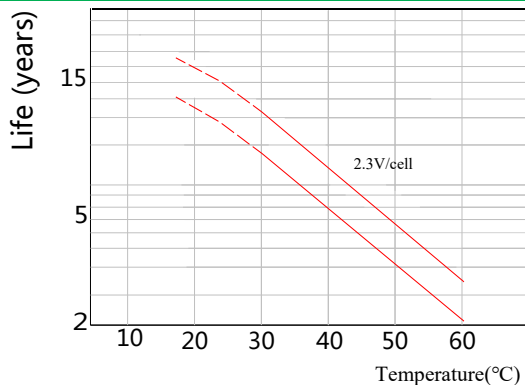
The Relationship of Open Circuit Voltage and Remaining Capacity (25°C)



The Relationship of Charge Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

