

**GENERAL FEATURES**

- Environmentally friendly
- Can be used at vertical or horizontal orientation
- High Reliability and Good Quality
- High gas recombination efficiency
- High Power Density
- Maintenance-Free Operation

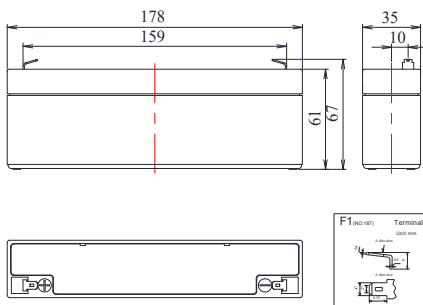
**APPLICATIONS**

- UPS & EPS
- Emergency lighting Systems
- Medical Equipment
- Cable TV Systems
- Alarm Systems
- Electric Test Equipment
- Security Systems



**DIMENSIONS & WEIGHT**

Length(mm)	178±1
Width(mm)	35±1
Height(mm)	61±1
Total Height(mm)	67±1
Weight(kg)	0.88±3%



**TECHNICAL SPECIFICATIONS**



<b>Nominal Voltage</b>		<b>12V(6 cells per unit)</b>
<b>Design Floating Life @25°C</b>		<b>5 Years</b>
<b>Nominal Capacity @25°C (20 hour rate@0.115A,10.50V)</b>		<b>2.30Ah</b>
<b>Capacity @25°C</b>	<b>10 hour rate (0.22A,10.8V)</b>	<b>2.20Ah</b>
	<b>5 hour rate (0.39A,10.5V)</b>	<b>1.95Ah</b>
	<b>1 hour rate (1.58A,9.6V)</b>	<b>1.58Ah</b>
<b>Internal Resistance</b>	<b>Full Charged Battery@25°C</b>	<b>≤55.0mΩ</b>
<b>Ambient Temperature</b>	<b>Discharge</b>	<b>-2 0 ° G-50°C</b>
	<b>Charge</b>	<b>-20°C ~-50°C</b>
	<b>Storage</b>	<b>-20°C ~-50°C</b>
<b>Max.Discharge Current@25°C</b>		<b>30A(5s)</b>
<b>Capacity affected by Temperature (10 hr Capacity )</b>	<b>40°C</b>	<b>102%</b>
	<b>25°C</b>	<b>100%</b>
	<b>0°C</b>	<b>85%</b>
	<b>-15°C</b>	<b>65%</b>
<b>Self - Discharge @25°C/10th</b>		<b>3%</b>
<b>Charge (Constant Voltage) @25°C</b>	<b>Standby Use</b>	<b>Initial Charging Current Less than 0.69A Voltage 13.6-13.8V</b>
	<b>Cycle Use</b>	<b>Initial Charging Current Less than 0.69A Voltage 14.4-14.9V</b>

**COMPLIED STANDARDS**

IEC 60896-21/22	JIS C8704
YD/T799	BS6290 part4
GB/T 19639	UL 1989

**BATTERY DISCHARGE TABLE**

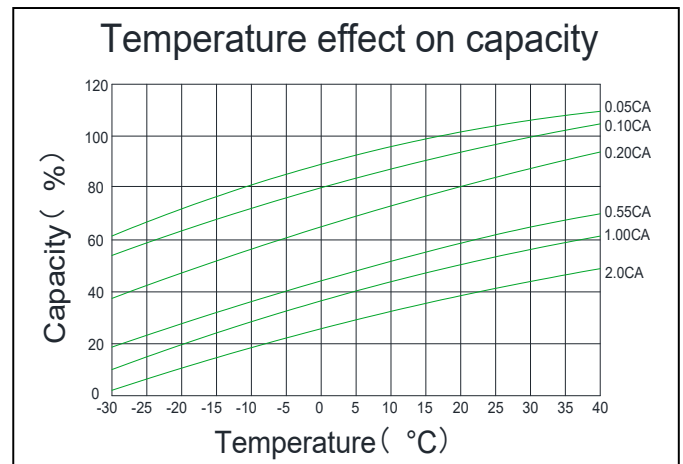
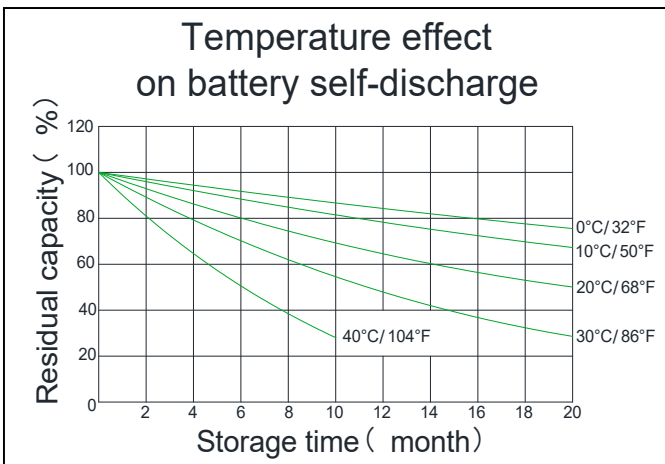
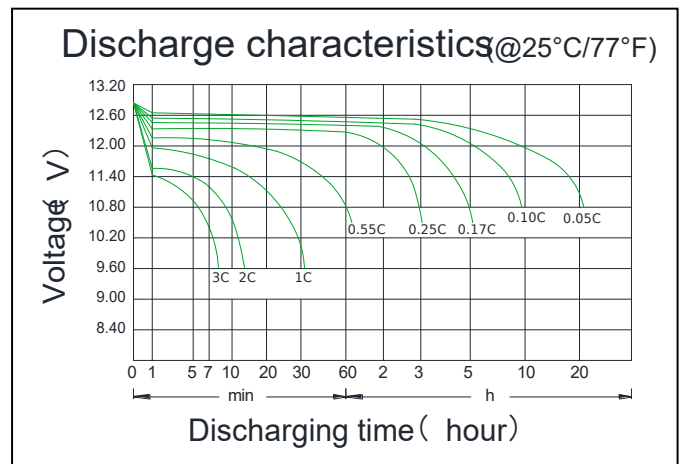
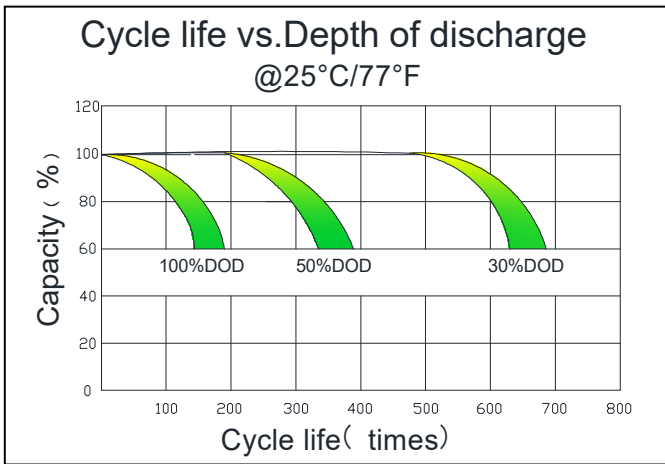
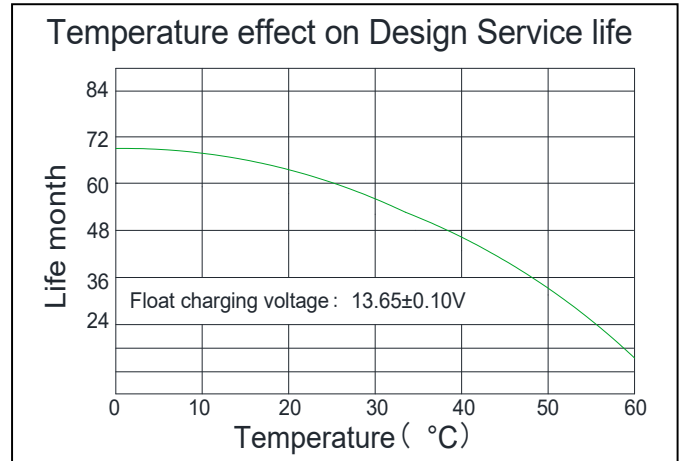
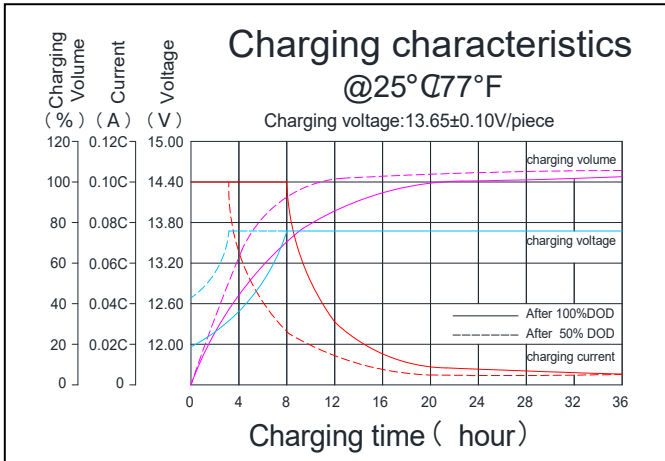
**Discharge Constant Current per Cell (Amperes at 25°C)**

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
<b>1.60V</b>	7.91	5.72	4.50	2.64	1.85	1.58	0.93	0.64	0.42	0.28	0.23	0.122
<b>1.67V</b>	7.76	5.65	4.38	2.59	1.81	1.55	0.91	0.63	0.41	0.28	0.23	0.119
<b>1.70V</b>	7.62	5.49	4.28	2.54	1.78	1.52	0.90	0.61	0.40	0.27	0.22	0.117
<b>1.75V</b>	7.48	5.24	4.15	2.49	1.74	1.50	0.88	0.60	0.39	0.27	0.22	0.115
<b>1.80V</b>	7.19	5.18	4.03	2.40	1.68	1.44	0.85	0.58	0.38	0.26	0.22	0.114

**Discharge Constant Power per Cell (Watts at 25°C)**

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
<b>1.60V</b>	15.22	11.28	8.69	5.07	3.55	3.04	1.79	1.23	0.82	0.55	0.45	0.240
<b>1.67V</b>	14.94	11.08	8.43	4.98	3.49	2.99	1.76	1.20	0.80	0.54	0.45	0.233
<b>1.70V</b>	14.67	10.86	8.21	4.89	3.42	2.93	1.73	1.18	0.79	0.53	0.44	0.230
<b>1.75V</b>	14.39	10.22	7.99	4.80	3.36	2.88	1.69	1.16	0.77	0.52	0.43	0.227
<b>1.80V</b>	13.84	9.90	7.76	4.61	3.23	2.77	1.63	1.11	0.74	0.50	0.42	0.224

**PERFORMANCE CHARACTERISTICS**



**BATTERY CONSTRUCTION**

Component	Positive plate	Negative plate	Container & Cover	Safety valve	Terminal	Separator	Electrolyte	Pillar seal
Features	Thick high Sn low Ca grid with special paste	Balanced Pb-Ca grid for improved recombination efficiency	ABS (UL94-V0 optional)	Flame Si-Rubbeand aging resistancer	Female Copper Insert ( NO.187)	Advanced AGM separator for high pressure cell design	Dilute high purity sulphuric acid	Two layers epoxy resin seal