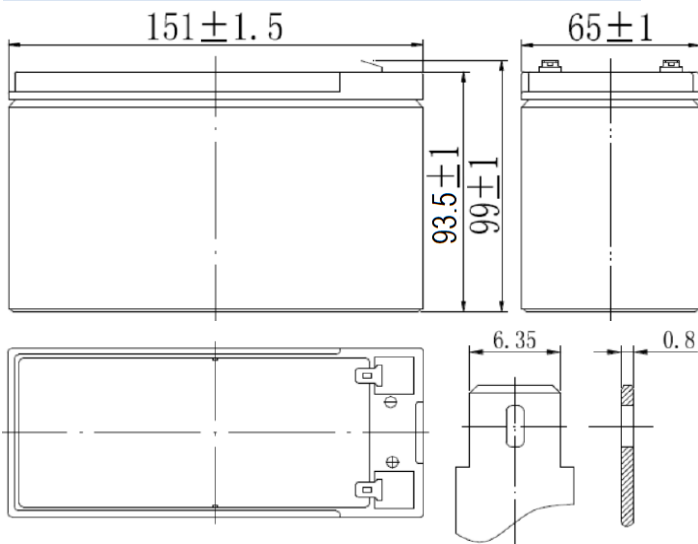


APPLICATIONS

- IT systems
- UPS
- Data centers
- Power generation plants and substations
- Telecommunication electrical equipments
- Switchboards
- Robots, control and other factory automation equipment
- Broadcasting systems
- Various telemeter equipments
- Signaling



SPECIFICATIONS

Nominal Voltage	12 V	
Number of cells	6	
Design Floating Life (20°C)	10 years	
Dimensions	Length	151 mm
	Width	65 mm
	Height	93.5 mm
	Total Height	99 mm
Weight	2.15 kg	
Watts (10 min @ 1.60 Vpc, 25°C)	41.3 W/Cell	
Watts (10 min @ 1.67 Vpc, 25°C)	39.5 W/Cell	
Capacity (10 hrs @ 1.80 Vpc, 25°C)	6.8 Ah	
Short Circuit Current	105 A	
Internal Resistance (fully charged, 25°C)	20 mOhm	
Self Discharge	approx. 3% per month at 20°C	
Nominal Operating Temperature	25°C	
Operating Temperature range	Discharge	-15°C to 45°C
	Charge	0°C to 40°C
	Storage	-15°C to 40°C
Float Charging Voltage	2.27 to 2.30 V/cell at 25°C	
Temperature compensation	-20mV/°C	
Maximum charging current	2.1 A	
Maximum discharge current (25°C)	70 A (5 sec.)	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

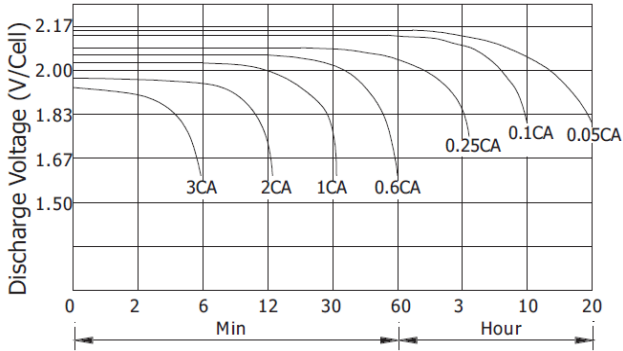
End Voltage (V/cell)	5min	10min	15min	20min	25min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60 V	37.2	22.0	17.4	14.0	12.4	10.1	7.22	5.66	2.98	2.17	1.43	0.92	0.77	0.42
1.65 V	36.2	21.4	17.0	13.8	12.2	9.96	7.10	5.56	2.94	2.15	1.41	0.90	0.74	0.41
1.67 V	35.5	21.1	16.7	13.7	12.0	9.87	7.03	5.52	2.92	2.12	1.41	0.89	0.74	0.41
1.70 V	34.5	20.6	16.4	13.4	11.8	9.70	6.92	5.46	2.90	2.10	1.39	0.88	0.72	0.40
1.75 V	32.6	19.6	15.8	12.9	11.4	9.34	6.73	5.33	2.85	2.04	1.35	0.87	0.70	0.39
1.80 V	30.5	18.5	15.0	12.2	10.8	8.98	6.47	5.07	2.75	1.98	1.31	0.83	0.68	0.38

Discharge Constant Power at 25°C (Watts/Cell)

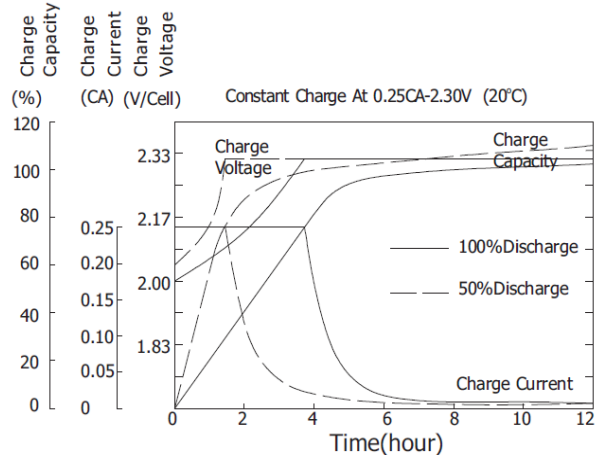
End Voltage (V/cell)	5min	10min	15min	20min	25min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60 V	66.3	41.3	34.2	27.1	23.6	18.7	13.4	10.7	5.76	4.15	2.76	1.88	1.56	0.84
1.65 V	64.1	40.4	33.4	26.5	23.1	18.4	13.3	10.6	5.67	4.11	2.73	1.87	1.55	0.83
1.67 V	63.1	39.5	32.9	26.0	22.8	18.2	13.2	10.5	5.64	4.09	2.72	1.87	1.54	0.83
1.70 V	61.7	38.6	32.1	25.4	22.4	18.0	13.0	10.4	5.58	4.05	2.69	1.86	1.54	0.83
1.75 V	60.4	37.2	31.1	24.6	21.7	17.5	12.8	10.2	5.48	3.95	2.63	1.84	1.53	0.82
1.80 V	57.5	35.3	29.3	23.3	20.8	17.0	12.4	9.71	5.38	3.84	2.55	1.81	1.49	0.82

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

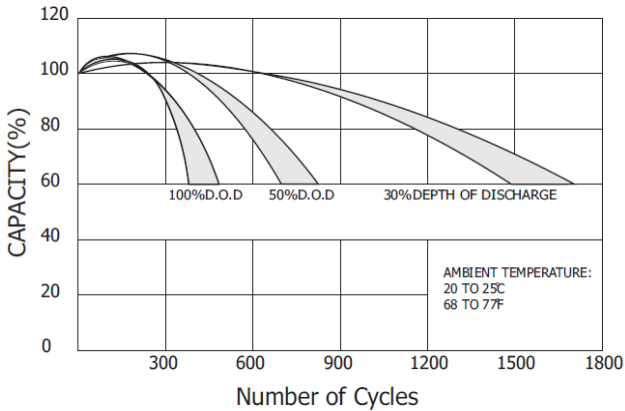
Discharge Characteristics (20°C)



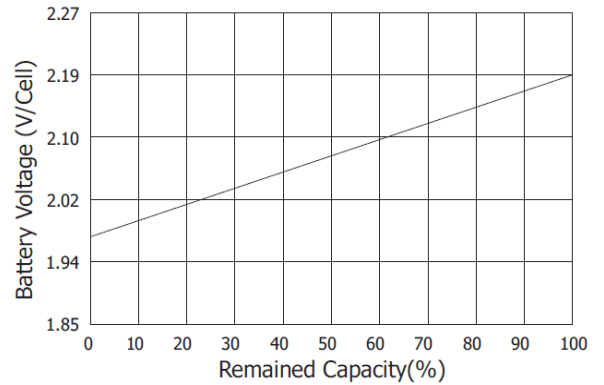
Charging Characteristic (20°C)



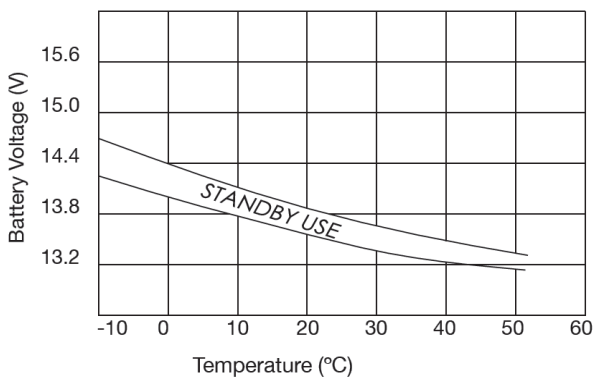
Cycle Service Life in Relation to Depth of Discharge



Relationship Between OCV and Residual Capacity (20°C)



Relationship Between Charging Voltage and Temperature



Self Discharge Characteristics

