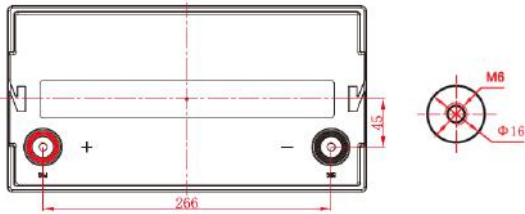
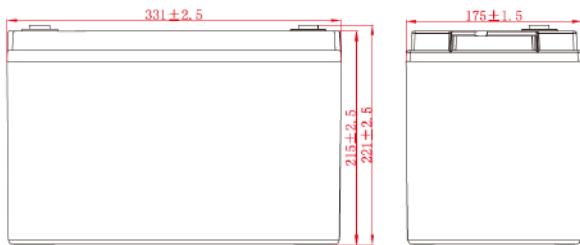


APPLICATIONS

- Solar & Wind power systems
- Power plants
- Uninterruptible Power Supply (UPS)
- Telecommunication Systems
- Electric wheelchairs
- Remote monitoring and controlling
- Solar street lighting
- Water pumping systems



SPECIFICATIONS

Nominal Voltage	12 V	
Number of cells	6	
Cycle Life	Approx. 1200 cycles at 50% DoD	
Design Floating Life (20°C)	12 years	
Dimensions	Length	331 mm
	Width	175 mm
	Height	215 mm
	Total Height	221 mm
Weight	30.2 kg	
Nominal Capacity (25°C)	120 hours rate (1.85)	121 Ah
	10 hours rate (1.80)	103 Ah
	5 hours rate (1.75)	85.5 Ah
	1 hours rate (1.60)	61.8 Ah
Internal Resistance (fully charged, 25°C)	4.0 mOhm	
Self Discharge	approx. 3% per month at 20°C	
Nominal Operating Temperature	25°C	
Operating Temperature range	Discharge	-15°C to 50°C
	Charge	-15°C to 40°C
	Storage	-15°C to 40°C
Float Charging Voltage	2.25 to 2.30 V/cell at 25°C	
Temperature compensation	-18mV/°C	
Cyclic Charging Voltage	2.40 to 2.50 V/cell at 25°C	
Temperature compensation	-30mV/°C	
Maximum charging current	30 A	
Maximum discharge current (25°C)	1000 A (5 sec.)	
Short Circuit Current	1200 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

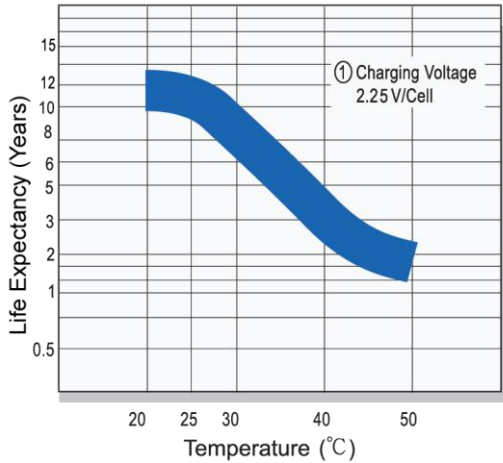
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	120h
1.60 V	170	157	98.9	78.8	61.8	37.1	25.2	20.0	17.4	12.5	10.7	5.48	----
1.65 V	164	152	96.9	77.7	60.9	36.9	25.0	19.9	17.3	12.4	10.5	5.45	----
1.70 V	157	147	93.9	74.8	59.3	36.5	24.9	19.7	17.2	12.3	10.5	5.41	----
1.75 V	149	140	91.7	73.1	57.2	35.7	24.7	19.6	17.1	12.2	10.4	5.36	----
1.80 V	141	133	88.3	71.0	56.3	35.1	24.1	19.0	16.6	11.7	10.3	5.30	1.03
1.85 V	139	131	87.0	69.9	55.5	34.6	23.8	18.7	16.4	11.5	10.1	5.22	1.01

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

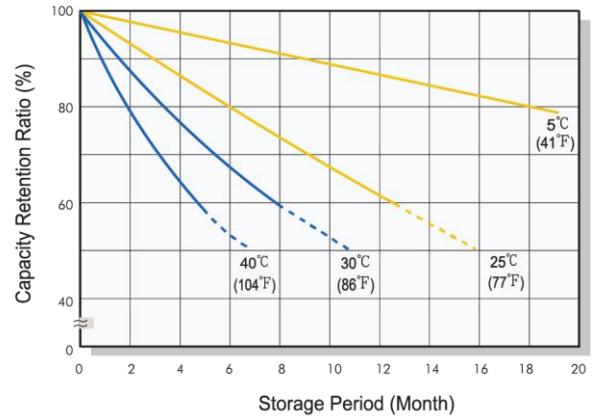
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	120h
1.60 V	304	287	185	152	117	71.4	49.4	39.1	34.3	24.5	20.9	10.9	----
1.65 V	295	280	181	149	115	71.3	49.1	39.0	34.2	24.4	20.8	10.8	----
1.70 V	283	269	176	145	112	70.7	48.8	38.6	34.0	24.2	20.8	10.8	----
1.75 V	271	260	171	142	110	69.7	48.4	38.3	33.6	24.0	20.6	10.7	----
1.80 V	256	242	165	136	107	67.7	47.0	37.2	32.6	23.7	20.4	10.7	2.04
1.85 V	252	238	163	134	105	66.7	46.3	36.7	32.1	23.3	20.1	10.5	2.01

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

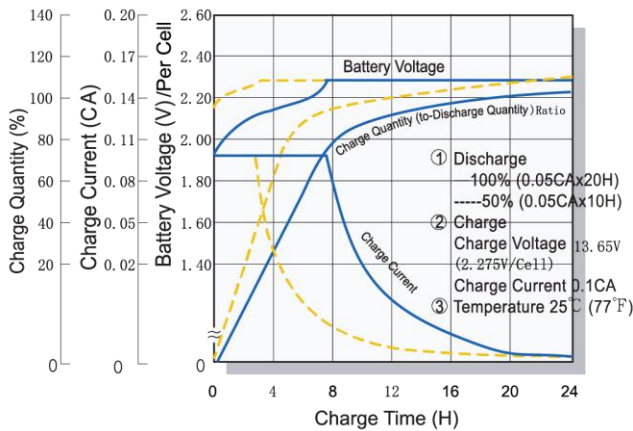
Temperature Effects on Float Life



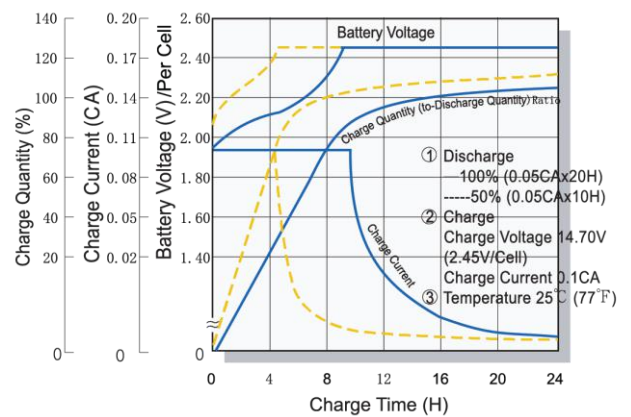
Self Discharge Characteristics



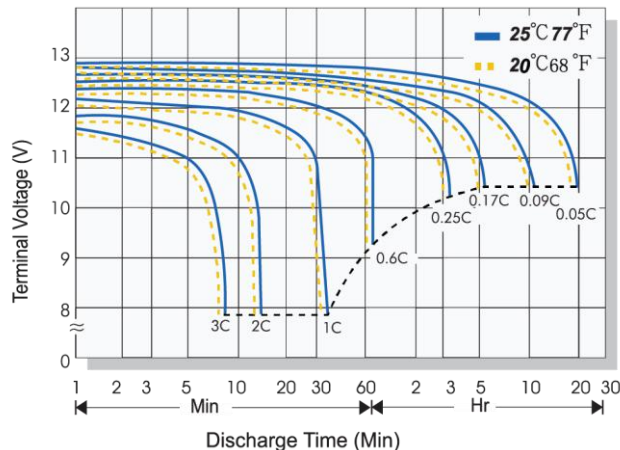
Charging Characteristics (25°C) - Float Use



Charging Characteristics (25°C) - Cyclic Use



Discharge Characteristics (25°C)



Cycle Service Life in Relation to Depth of Discharge

