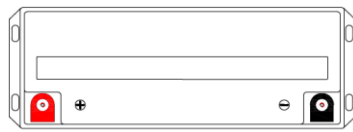
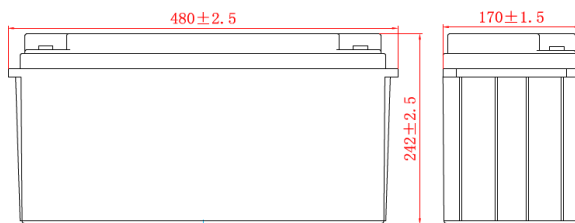


APPLICATIONS

- Uninterruptible Power Supplies (UPS)
- Electric Power Systems (EPS)
- Emergency backup power supplies
- Electronic apparatus and equipment
- Communication power supplies
- DC power supplies
- Auto control system



SPECIFICATIONS

Nominal Voltage	12 V	
Number of cells	6	
Design Floating Life (20°C)	12 years	
Dimensions	Length	480 mm
	Width	170 mm
	Height	242 mm
	Total Height	242 mm
Weight	45 kg	
Nominal Capacity (25°C)	20 hours rate (1.80)	166 Ah
	10 hours rate (1.80)	155 Ah
	5 hours rate (1.75)	135 Ah
	1 hour rate (1.65)	101 Ah
Internal Resistance (fully charged, 25°C)	3.5 mOhm	
Self Discharge	approx. 3% per month at 25°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	
Maximum charging current	35 A	
Maximum discharge current (25°C)	1250 A (5 sec.)	
Short Circuit Current (25°C)	1650 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

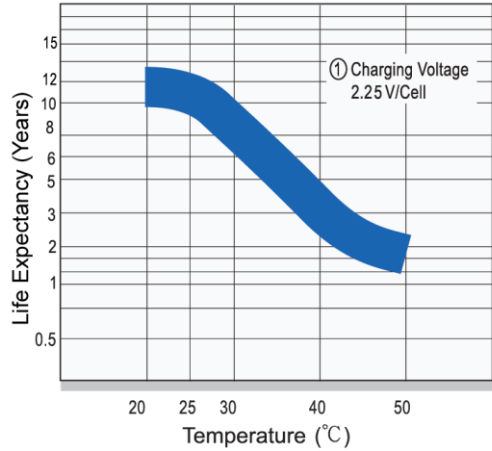
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	370	270	162	123	102	60.1	42.1	35.3	27.5	24.2	18.8	16.4	8.47
1.65V	354	266	158	121	101	59.8	41.9	34.8	27.2	24.1	18.7	16.1	8.43
1.70V	325	253	155	117	101	59.3	41.8	33.8	27.1	23.9	18.5	16.0	8.40
1.75V	301	239	151	113	100	58.4	41.7	32.7	27.0	23.8	18.4	15.7	8.35
1.80V	279	228	147	109	99.0	56.9	41.6	32.1	26.8	23.1	17.9	15.5	8.30

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

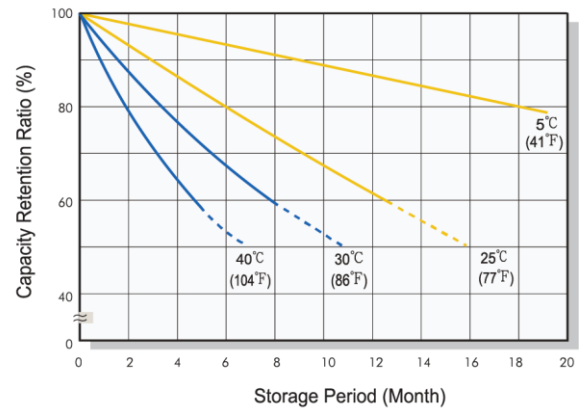
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	614	478	306	222	201	114	80.9	67.7	56.4	47.3	37.6	32.7	17.3
1.65V	607	474	300	219	194	113	80.5	66.9	56.2	46.2	37.4	32.2	17.0
1.70V	591	466	292	211	189	112	80.3	65.0	56.0	45.9	37.1	31.9	16.9
1.75V	553	438	284	203	187	111	79.7	62.7	55.8	45.6	36.9	31.5	16.6
1.80V	514	413	276	196	184	108	78.6	61.6	54.8	44.2	35.7	30.9	16.3

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

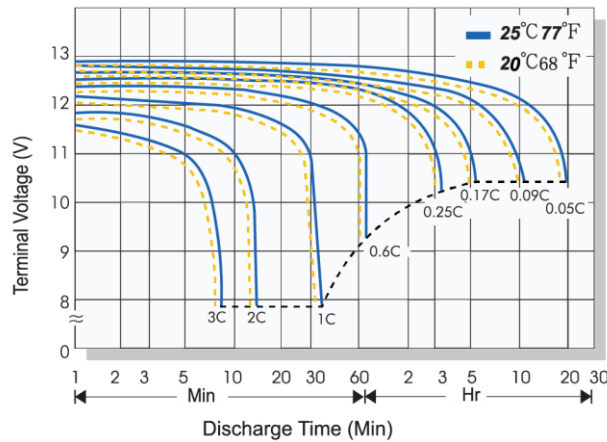
Temperature Effects on Float Life



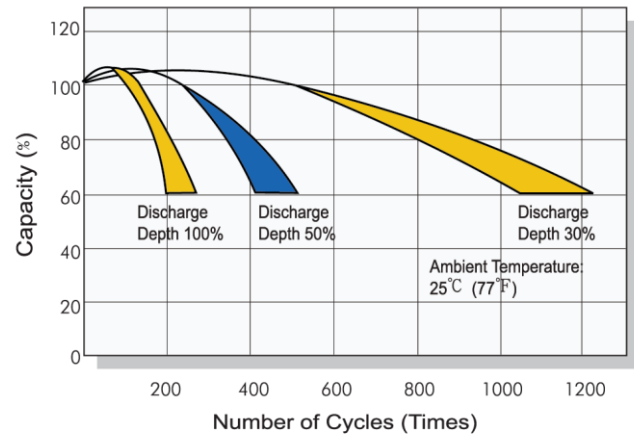
Self Discharge Characteristics



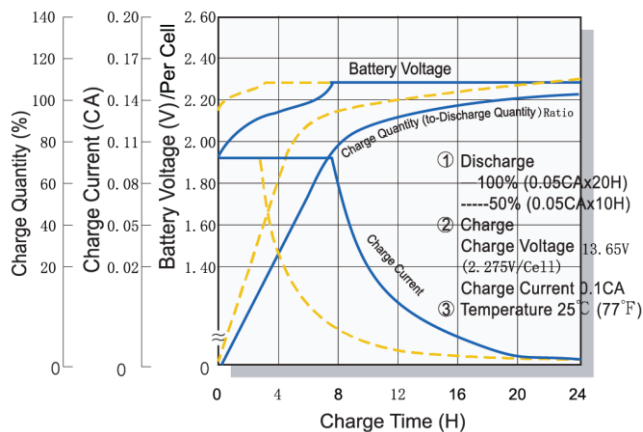
Discharge Characteristics (25°C)



Cycle Service Life in Relation to Depth of Discharge



Float Charging Characteristics (25°C)



Boost Charging Characteristics (25°C)

