

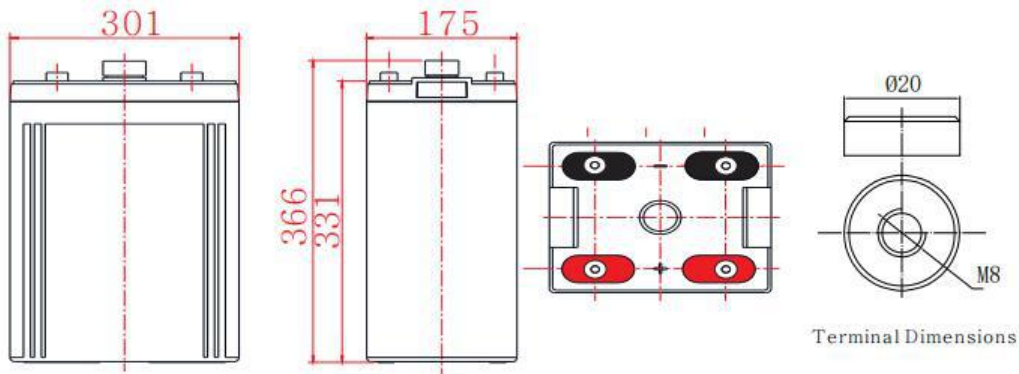
General Features

- ▶ High corrosion resistant performance: Pb-Ca multi-alloy grid
- ▶ Excellent charge acceptance ability
- ▶ Excellent deep cycle discharge capability
- ▶ Strong high and low temperature performance
- ▶ Precision sealing technology
- ▶ Long life



Dimension: 301(L) × 175(W) × 331(H) × 366(TH)

Unit: mm



Specification	
Nominal Voltage	2V
Nominal Capacity	600Ah
Design life	15 years
Terminal	M8
Approx. Weight	Approx 35.6kg (78.6lbs)
Container Material	ABS
short-circuit current	3030A
Internal resistance(Full charged at 25°C:)	0.66 mΩ
Self discharge	3% of capacity declined per month at 25°C
Operating Temperature	
Discharge:	-20 ~50°C(-4~ 122°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)
Charge Method(25 °C)	
Charge current:	Max. 120.0A; Recom. 60.0A
Float charge: 2.23-2.27V	recom. 2.25V(-3mV/ °C)
Equalize charge: 2.30-2.35V	recom. 2.35V(-4mV/ °C)
Cycle charge: 2.40-2.50V	recom. 2.40V(-5mV/ °C)

Standards

Executive standard YD/T 799-2010

Applications

- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

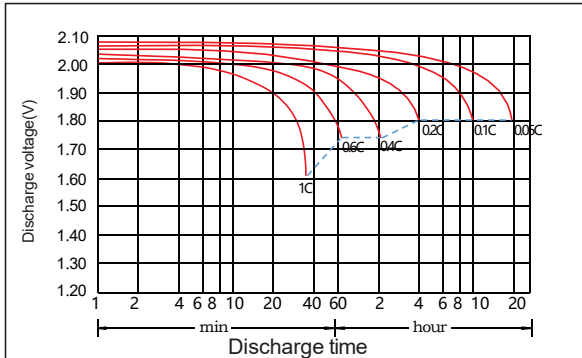
Rated Capacity

10Hour Rate (60.0A to 1.80V)	600.0Ah
3Hour Rate (150.0A to 1.80V)	450.0Ah
1Hour Rate (330.0A to 1.75V)	330.0Ah

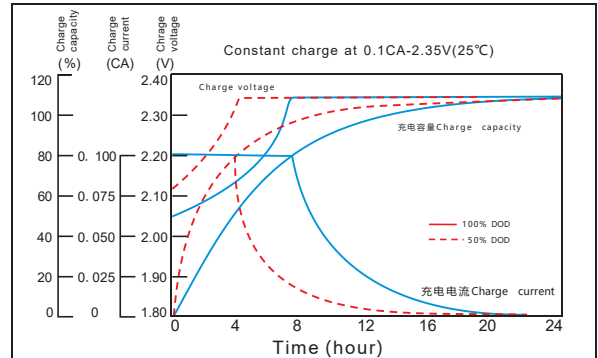
Attain Certificate



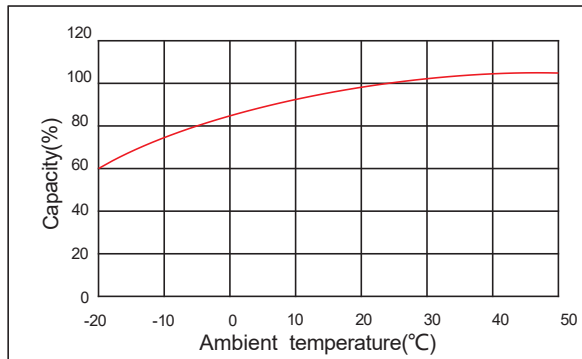
Discharge characteristic



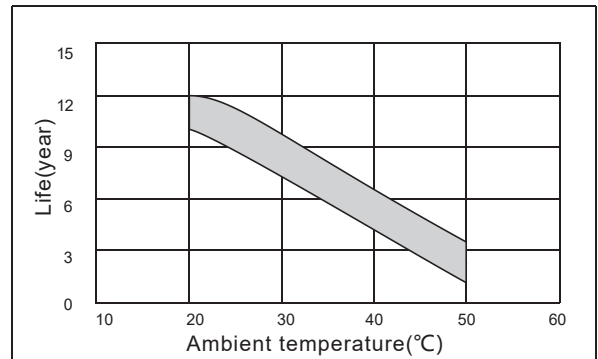
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



Constant Current Discharge Characteristics Unit:A (25°C,77°F)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1060	900	750	490	418	346	266	236	169	127	116	93.8	79.0	65.0	33.3
1.65V	978	834	700	461	400	340	262	230	164	126	114	92.8	77.8	64.4	33.0
1.70V	904	771	648	432	382	333	258	222	160	124	113	91.4	76.6	63.4	32.6
1.75V	805	694	593	402	366	330	254	214	155	122	109	90.0	75.8	62.4	32.0
1.80V	692	615	553	376	350	322	246	202	150	117	107	86.6	74.2	60.0	30.9
1.85V	606	539	486	335	312	291	242	188	142	116	103	85.6	72.2	59.4	30.1

Constant Power Discharge Characteristics Unit: W/cell (25°C,77°F)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1779	1524	1323	897	772	650	499	443	317	242	221	179	152	126	65.3
1.65V	1626	1408	1248	843	740	639	492	432	309	239	218	177	149	125	64.6
1.70V	1556	1303	1163	790	708	626	485	418	300	234	214	175	147	123	63.8
1.75V	1404	1178	1086	736	678	621	476	403	291	230	208	172	146	121	63.0
1.80V	1242	1062	1023	692	648	606	462	380	282	225	203	165	142	117	60.7
1.85V	1085	939	909	619	584	549	456	354	268	218	196	163	139	116	60.2