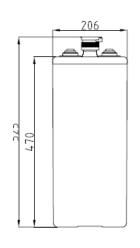
Specifications

Specifica	atic	ons								
Nomii	nal V	/oltage	2 V							
G :	10	HR(1.80V)	420 Ah							
Capacity (20°C)	31	HR(1.75V)	321Ah							
(200)	11	HR(1.60V)	235Ah							
Battery		Dry	$24.5 \text{kg} (54.0 \text{lbs}) \pm 5\%$							
Weigh		Wet	$33 \text{kg} (72.8 \text{lbs}) \pm 5\%$							
Acid Weig	ht (c	l=1.24kg/l)	Approx.8.5kg (18.7lbs)							
Terminal	type	/material	T10 / Copper							
		istance ed, 25°C)	Approx.0.80mΩ							
Self-dischar	_	1 month	Remaining Capacity: 86%(20°C)							
	al op pera		20°C±5°C(68°F±9°F)							
Operating		Discharge	-15°C~50°C(5°F~122°F)							
temperatu	re	Charge	10°C~45°C(50°F~113°F)							
range		Storage	10°C ~30°C (50°F ~86°F)							
		Constant current	Charge the battery at $0.05 C_{10}$ for 72h.							
Initial charging		Constant voltage	Charge the battery at 0.1 C ₁₀ to 2.35v/cell; then Charge the battery with 2.35v/cell until the whole charge time up to 100h.							
Mark of Fully charged		Constant current	The battery voltage and density of electrolyte remain stable over 2h at the end of charging, and strong bubbles generated within the electrolyte							
		Constant voltage	The charging current and density of electrolyte kept constant for more than 3h at the end of the charge; and the charging current is about 0.002~0.005 C10 amp.							
Supplem	enta	ry charge	Charge the battery at $0.05 C_{10}$ to fully charged.							
Equaliz	ing o	charging	Charge the battery with 2.40v/cell for 48h.							
Battery	Float charging		Charge the battery with 2.23V (25°C); Equalizing charging the battery when the abnormal occurs							
operation		Charge& discharge	Equalizing charging the battery after discharged and per 3months							
		Backup	Supplementary charge the battery per 3 or 6 months.							
Maximum o	charg	ging current	105A(0.25C ₁₀)							
Max. disc	charg	ge current	2000A(5 sec.)							
Designo	ed cy	ycle life	1600@80% DOD (30℃)							
Designed	d flo	ating life	20 years(20°C)							
· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·							

CHARACTERISTICS:

- ◆ Tubular Positive Plate;
- ◆ Flooded Battery;
- ◆ Porous Rubber and Porous PVC Separator
- ◆ Transparent Container.

Dimensions









Constant Current Discharge Characteristics (A, 25°C)

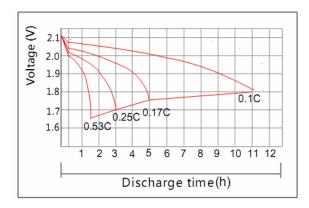
001101110111011101101101101101101101101													
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	120h
1.70V	328	227	139	108	86.5	76.0	64.7	49.6	42.4	22.9	20.0		
1.75V	319	221	137	107	86.1	75.6	64.3	49.1	42.4	22.9	19.9		
1.80V	307	214	133	104	83.6	73.5	62.2	47.5	42.0	22.7	19.7	10.1	
1.85V	290	202	125	97.4	78.5	69.3	58.4	44.5	39.9	21.6	18.8	10.1	4.20

Constant Power Discharge Characteristics (Watt, 25°C)

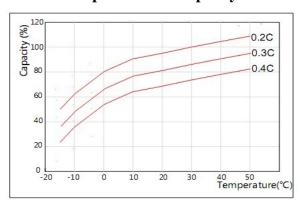
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	120h
1.70V	613	428	267	212	170	150	128	97.9	84.8	45.8	40.1		
1.75V	596	420	263	210	169	149	126	97.4	84.0	45.8	39.9		
1.80V	576	407	256	204	164	144	123	94.5	83.6	45.4	39.7	20.5	
1.85V	538	378	239	189	152	134	114	87.8	77.7	42.0	37.8	20.5	8.57

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

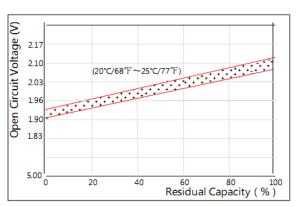
Discharge Characteristics(25°C)



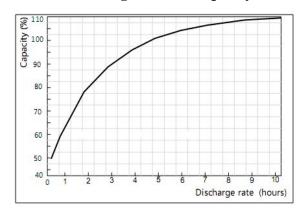
Effect of Temperature on Capacity



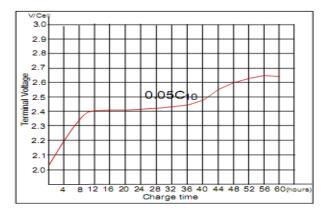
The Relationship for Open Circuit Voltage and Residual Capacity $(25^{\circ}C)$



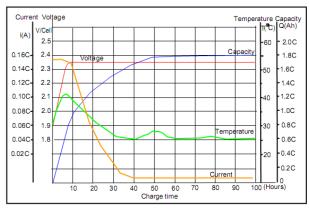
Effect of Discharge rate on Capacity



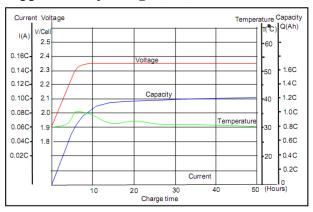
Initial Charging (CC)Characteristics(25℃)



Initial Charging (CV)Characteristics



Supplementary charge (CV) Characteristics



Cycle Life on D.O.D(25℃)

