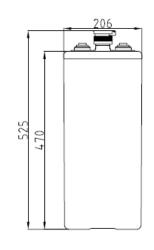
Specifications

Specifica	auc)115							
Nomii	nal V	/oltage	2 V						
a .	10	HR(1.80V)	500 Ah						
Capacity (20°C)	3]	HR(1.75V)	382Ah						
(200)	1]	HR(1.60V)	280Ah						
Battery		Dry	26kg 57.2lbs)±5%						
Weigh		Wet	36kg (79.2lbs)±5%						
Acid Weig	ht (d	l=1.24kg/l)	Approx.10kg (22.0lbs)						
Terminal	type	/material	T10 / Copper						
		sistance ed, 25°C)	Approx. $0.7 \text{ m}\Omega$						
Self-dischar		1 month	Remaining Capacity: 86%(20°C)						
	al op pera	perating ture	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		Charge the battery at $0.05 C_{10}$ for 72h.						
Initial charging		Constant	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		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						
Fully charg	ed	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 (charging	Charge the battery with 2.40v/cell for 48h.						
Battery	Flo	oat 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	char	ging current	125A(0.25C ₁₀)						
Max. disc	charg	ge current	2500A(5 sec.)						
Designo	ed c	ycle life	1600@80% DOD (30℃)						
Designed	d flo	ating life	20 years(20°C)						

CHARACTERISTICS:

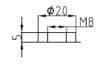
- ◆ Tubular Positive Plate;
- ◆ Flooded Battery;
- ◆ Porous Rubber and Porous PVC Separator
- ◆ Transparent Container.

Dimensions









Constant Current Discharge Characteristics (A, 25°C)

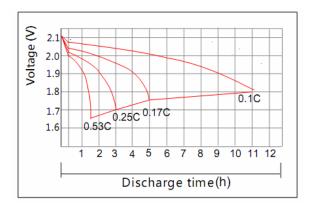
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	120h
1.70V	390	270	165	129	103	90.6	77.0	59.0	50.6	27.2	23.8		
1.75V	380	262	163	128	103	90.0	76.6	58.6	50.6	27.2	23.6		
1.80V	366	256	159	124	99.6	87.6	74.0	56.6	50.0	27.0	23.6	12.1	
1.85V	346	240	149	116	93.6	82.6	69.6	53.0	47.6	25.8	22.4	12.1	5.00

Constant Power Discharge Characteristics (Watt, 25°C)

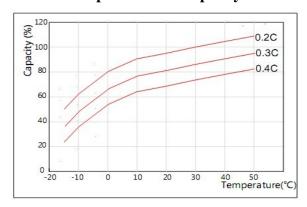
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	120h
1.70V	728	510	318	252	202	179	152	117	101	54.6	47.8		
1.75V	710	500	312	250	202	178	151	116	100	54.6	47.6		
1.80V	686	486	306	242	195	172	146	113	99.6	54.0	47.2	24.4	
1.85V	638	450	286	226	182	160	136	105	92.6	50.0	45.0	24.4	10.2

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

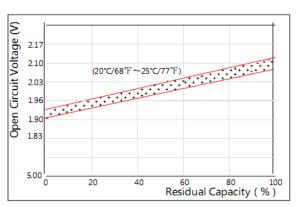
Discharge Characteristics(25°C)



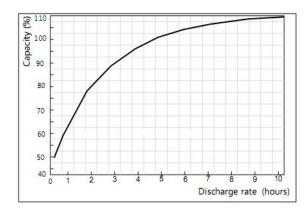
Effect of Temperature on Capacity



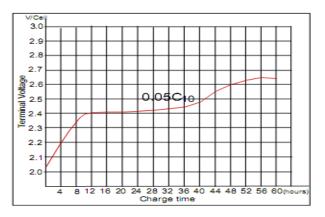
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



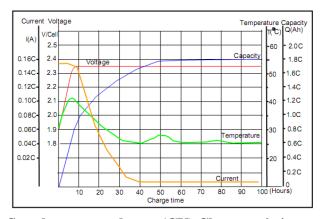
Effect of Discharge rate on Capacity



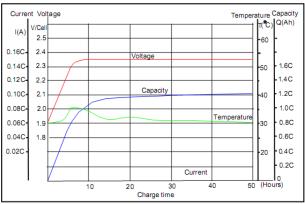
Initial Charging (CC)Characteristics(25℃)



Initial Charging (CV)Characteristics



Supplementary charge (CV) Characteristics



Cycle Life on D.O.D(25℃)

