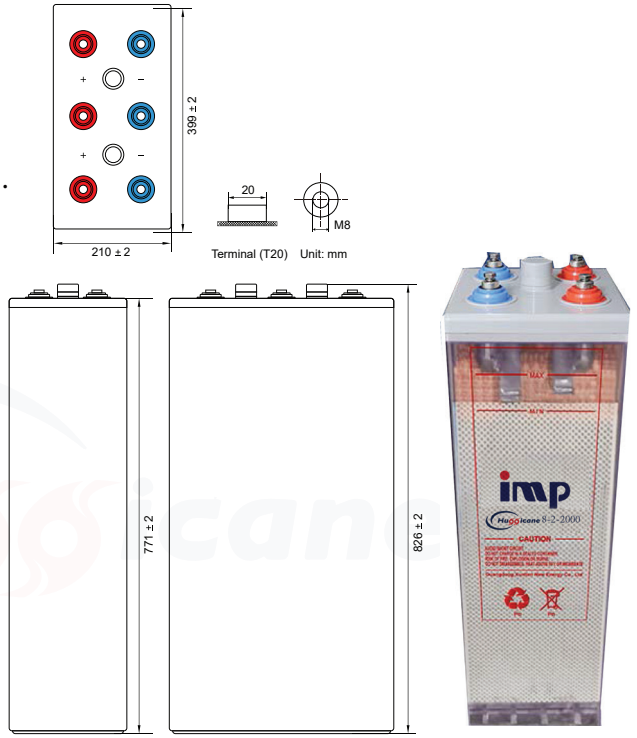
Hurricane 8-2-2000
Tubular Flooded Battery

DESCRIPTION

Hurricane Series Lead Acid batteries are designed with a combination of die-casting Tubular positive framework and superfluous electrolyte technologies to offer a very high lever of reliability and a long service life.
Hurricane batteries used special filter and proof design to ensure no acid fog runs over and burning proof,and also convenient examine and maintenance.

GENERAL FEATURES

- Maintenance convenient.
- Non-Spillable construction design.
- Transparent containers,convenient to observe.
- Special filter installation for acid fog proof.
- High quality and high reliability.
- Design long life:15-20 years.
- Special pole sealed technology.
- Super reliability.



SPECIFICATION

Nominal voltage	2V
Number of cell	1
Length(mm/inch)	399/15.71
Width(mm/inch)	210/8.27
Height(mm/inch)	771/30.35
Total Height(mm/inch)	826/32.52
Approx.Weight (dry) (kg/lbs)	108/238.1

BATTERY CONSTRUCTION

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Tubular	Lead	ABS	ABS	Rubber	Copper	PVC-Si O_2	Sulfuric acid

PERFORMANCE CHARACTERISTICS

Capacity 77°F(25 ℃)	100 hour rate (24A 1.85V)	2400Ah
	10 hour rate (200A 1.80V)	2000Ah
	5 hour rate (336A 1.75V)	1680Ah
	1 hour rate (1060A 1.70V)	1060Ah
Operating Temperature Range	Discharge: -20~65℃	
	Charge: -10~65 ℃	
	Storage: -20~65℃	
Self-Discharge	4.5% of capacity declined per 28days at 20℃ (average)	
Charge (Constant Voltage)	Float: 2.23 ~ 2.27V/77°F(25℃)	
	Cycle: 2.38 ~ 2.42V/77°F(25℃) Max Current: 200A	

Hussicane 8-2-2000
Tubular Flooded Battery

PERFORMANCE REPORT

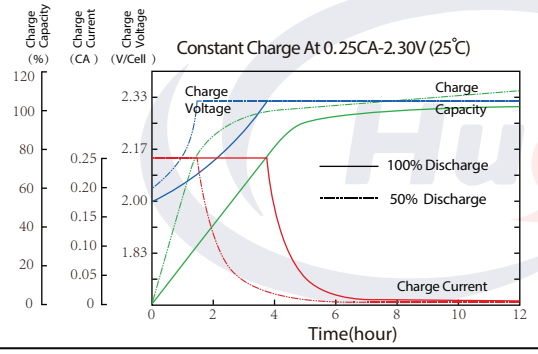
Discharge Constant Current(Amperes at 77°F/25°C)

End Point Volts/Cell	30min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h	100h	120h	240h
1.70V	1298	995	660	510	410	348	304	244	204	---	---	---	---	---
1.75V	1196	940	640	500	406	340	300	240	204	106	58.0	---	---	---
1.80V	1110	880	620	474	400	336	290	236	200	104	58.0	---	---	---
1.85V	1010	864	580	464	380	316	280	230	194	102	56.0	24.0	20.8	12.2
1.90V	985	810	520	440	354	306	270	220	186	96.0	54.0	23.6	20.4	12.0

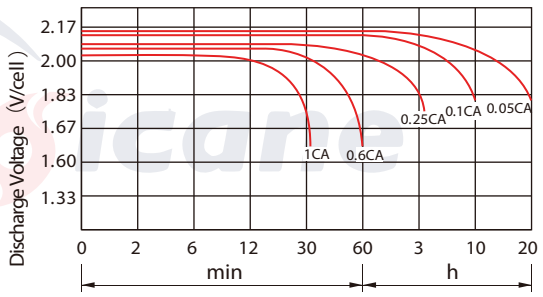
Discharge Constant Power(Watts at 77°F/25°C)

End Point Volts/Cell	30min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h	100h	120h	240h
1.70V	2352	1852	1225	951	766	651	582	470	394	---	---	---	---	---
1.75V	2176	1754	1196	937	762	641	576	462	394	211	116	---	---	---
1.80V	2087	1646	1166	892	755	635	562	460	392	207	117	---	---	---
1.85V	1921	1627	1098	882	725	608	550	454	384	204	113	48.8	42.4	25.0
1.90V	1862	1548	1000	845	684	594	536	438	372	193	110	48.0	41.8	24.6

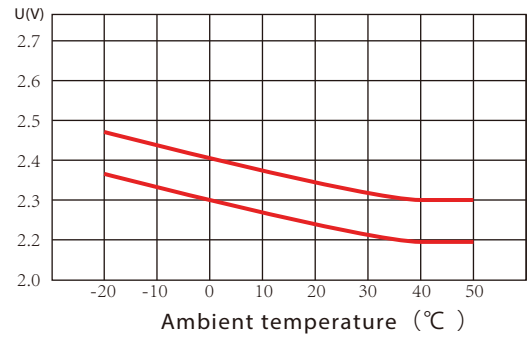
Charge Characteristic



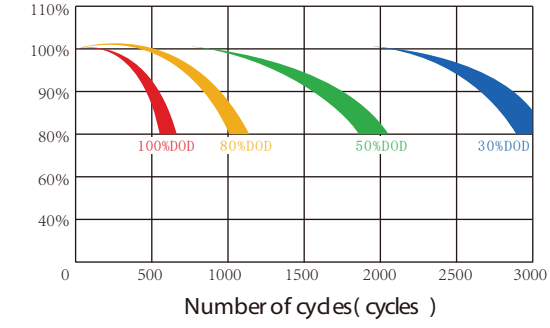
Discharge Characteristic (25℃)



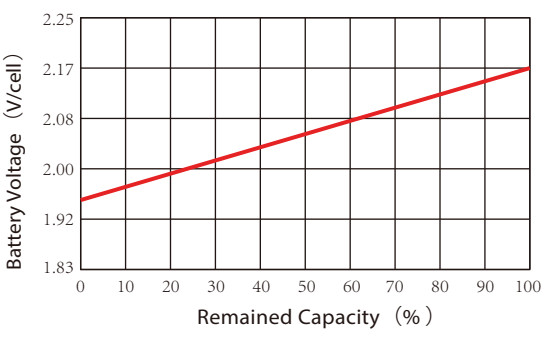
Charge voltage VS ambient temprature curve



Cycle life of DOD



Relationship of OCV and state of charge



Self- discharge characteristics