

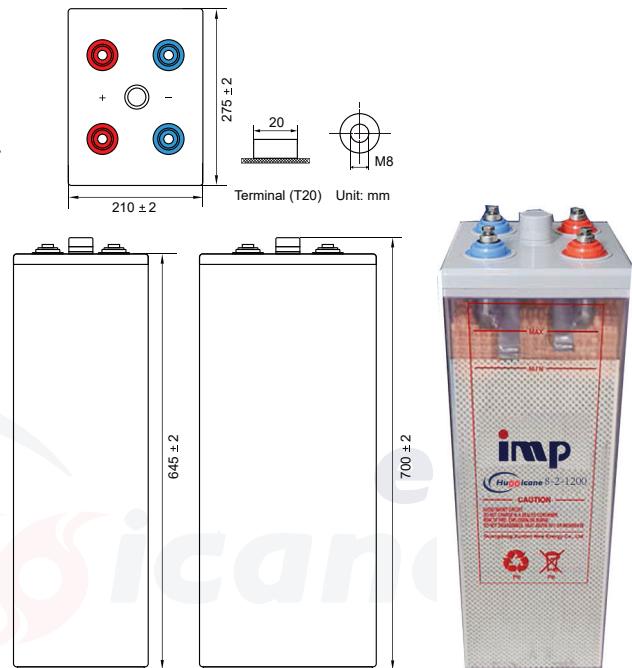
DESCRIPTION

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 level 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)	275/10.83
Width(mm/inch)	210/8.27
Height(mm/inch)	645/25.39
Total Height(mm/inch)	700/27.56
Approx.Weight (dry) (kg/lbs)	62/136.69



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 °C)	24 hour rate (60.8A 1.85V)	1460Ah
	10 hour rate (120A 1.80V)	1200Ah
	5 hour rate (206.4A 1.75V)	1032Ah
	1 hour rate (624A 1.70V)	624Ah
Operating Temperature Range	Discharge: -20~65 °C	
	Charge: -10~65 °C	
	Storage: -20~65 °C	
Self-Discharge	4.5% of capacity declined per 28days at 20°C (average)	
Charge (Constant Voltage)	Float: 2.23 ~ 2.27V/77°F(25°C)	
	Cycle: 2.38 ~ 2.42V/77°F(25°C)	
	Max Current: 120A	

PERFORMANCE REPORT

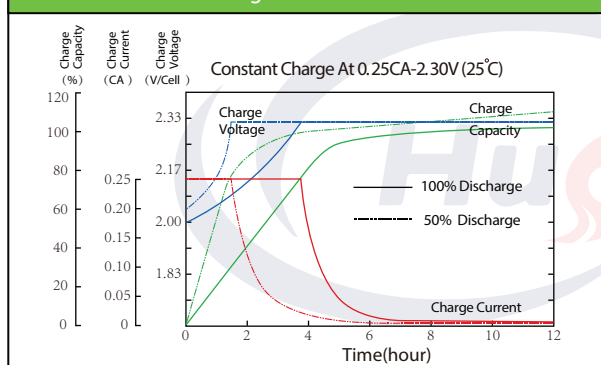
Discharge Constant Current(Amperes at 77°F/25 °C)

FV /Time	30min	1h	2h	4h	5h	8h	10h	20h	24h	48h
1.90V	638.5	506.1	356.9	215.5	191.5	130.8	112.1	58.87	49.53	26.17
1.87V	713.8	558.1	382.9	227.4	202.5	136.9	117.2	61.52	51.75	27.34
1.83V	817.6	622.9	415.3	239.4	211.7	143.0	122.2	64.17	53.98	28.52
1.80V	908.5	674.9	430.9	244.2	216.6	146.7	126.0	66.15	55.65	29.40
1.75V	1012.3	722.9	450.3	248.2	220.5	149.1	128.5	67.47	56.76	29.99
1.70V	1116.1	746.2	463.3	252.6	223.9	150.3	129.8	68.13	57.32	30.28
1.65V	1151.1	793.0	478.9	256.2	227.0	151.6	131.0	68.80	57.88	30.58
1.60V	1200.5	820.2	497.1	263.3	231.8	152.8	132.3	69.46	58.43	30.87

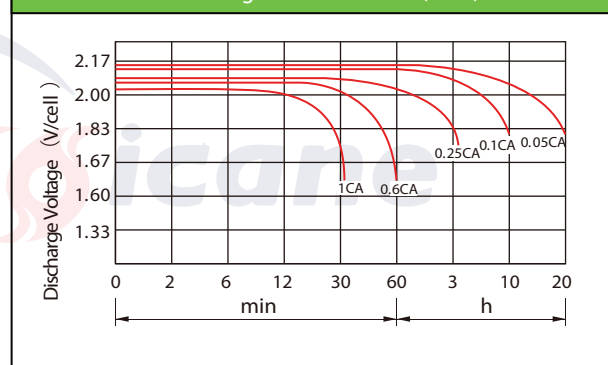
Discharge Constant Power(Watts at 77°F/25 °C)

FV /Time	30min	1h	2h	4h	5h	8h	10h	20h	24h	48h
1.90V	1222	972	690.0	421.7	376.5	261.6	228.6	120.0	100.9	53.33
1.87V	1345	1055	731.7	444.5	397.4	272.6	238.3	125.1	105.3	55.61
1.83V	1506	1150	778.7	466.0	413.8	282.3	246.9	129.6	109.0	57.61
1.80V	1646	1227	804.7	474.9	422.7	288.4	253.0	132.8	111.7	59.03
1.75V	1786	1282	830.8	481.2	429.0	292.1	256.7	134.7	113.4	59.89
1.70V	1915	1295	851.7	488.8	434.7	294.6	259.1	136.0	114.4	60.46
1.65V	1947	1353	875.2	495.1	439.7	297.0	260.3	136.7	115.0	60.74
1.60V	1971	1394	896.0	507.8	447.3	298.2	261.6	137.3	115.5	61.03

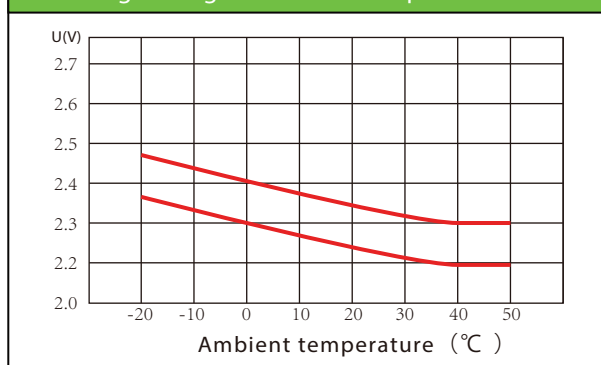
Charge Characteristic



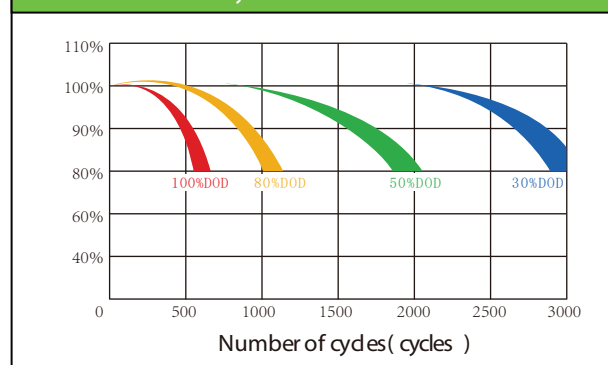
Discharge Characteristic (25°C)



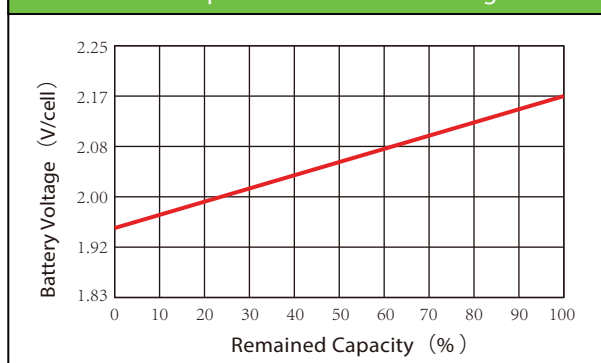
Charge voltage VS ambient temperature curve



Cycle life of DOD



Relationship of OCV and state of charge



Self-discharge characteristics

