



YUASA

ISO 9001 QUALITY ASSURANCE

ISO-14001 CERTIFICATE NO.00154

閥調式鉛酸蓄電池 (VRLA)
Valve Regulated Lead Acid Battery

UXH 90-12 I

● 公稱電壓 Nominal Voltage: 12V

● 尺寸 Dimension

長度 Length: 305 ± 2mm (12.01in)

寬度 Width: 173 ± 2mm (6.81in)

高度 Height: 220 ± 2mm (8.66in)

總高 Total Height: 223 ± 2mm (8.78in)

● 重量 Weight (Approx.): 36Kg (79Pounds)

● 公稱容量 Nominal Capacity

20小時率 20HR of 4.6A to 10.50V at 25°C : 92AH

10小時率 10HR of 9.1A to 10.50V at 25°C : 91AH

8小時率 8HR of 11.3A to 10.50V at 25°C : 90.4AH

5小時率 5HR of 17.5A to 10.50V at 25°C : 87.5AH

1小時率 1HR of 69.5A to 10.50V at 25°C : 69.5AH

● 內部抵抗 Internal Resistance: 6mΩ

● 最大充電電流 Max Charge Current : 23A (0.25Ca)

最大放電電流 Max Discharge Current : 276A (3Ca)

最大短路電流 Max Short Duration Discharge Current : 598A (6.5Ca)

● 操作溫度範圍 Operation Temperature Range

-15°C to 50°C (5°F to 122°F)

● 保存溫度範圍 Storage Temperature Range

-15°C to 40°C (5°F to 104°F)

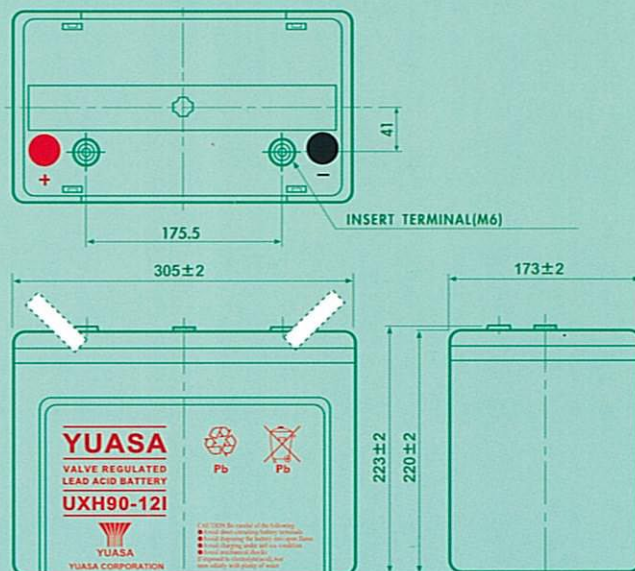
● 浮充 Float Charging: 13.65 ± 0.15V

● 壽命 Expected Life (25°C)

12 years in floating charge

● 用途 Applications : UPS、電信、照明、警報、儀器、醫療、太陽能

尺寸 DIMENSION



● 密閉構造 Sealed Construction

Can be operated, charged or stored in any position without leakage.

Can't be charged while the terminal is downward.

● 凹入式端子 Insert Terminal : M6 Bolt

● 電槽材質 Container Material : Flame Retardant ABS (UL94-V0)

氧氣指數 28.0%LOI

● 把手設計 Handle Including

● 防爆設計 Vent plug provided with built-in ceramic filter

Prevents ignition entering battery.

Prevents acid fumes from escaping from the battery.

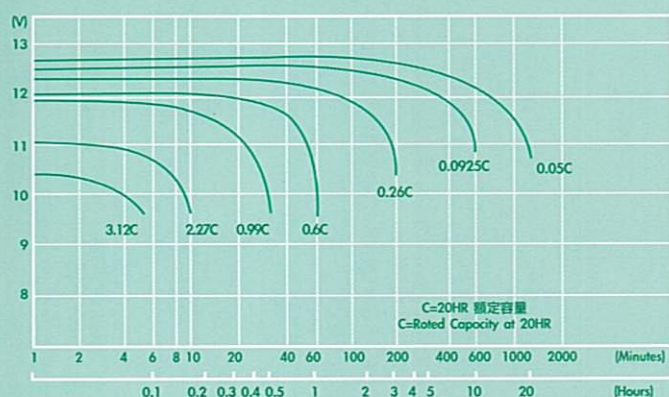
UXH90-12 I PERFORMANCE SPECIFICATION : Amperes and watts at 25°C (77°F)

F.V.	Time	Minutes										Hours							
	Item	1	5	10	15	20	25	30	35	40	45	1	2	3	5	8	10	20	
10.98 (1.83)	A											65.0	35.0	25.5	16.0	10.5	8.8	4.4	
	W											645	385	285	185	125	100	45	
10.80 (1.80)	A	310.0	240.0	196.0	161.0	148.5	125.0	107.0	100.0	93.0	85.5	68.5	38.0	27.0	17.0	11.0	9.0	4.5	
	W	3600	2600	2200	1850	1600	1420	1280	1150	1050	980	660	390	290	190	130	105	50	
10.50 (1.75)	A	350.0	264.0	208.7	179.0	152.6	128.0	110.5	102.0	98.0	87.5	69.5	38.5	27.3	17.5	11.3	9.1	4.6	
	W	4000	2900	2300	1980	1700	1500	1360	1210	1090	990	670	400	295	195	135	110	55	
10.20 (1.70)	A	400.0	280.0	220.0	189.0	155.0	131.0	123.0	104.0	99.5	88.5	70.0	39.0	27.9					
	W	4300	3200	2450	2100	1800	1600	1450	1270	1120	1000	682	410	300					
10.02 (1.67)	A	440.0	291.0	235.0	198.0	165.0	135.0	127.0	105.0	99.8	90.0	70.0							
	W	4500	3300	2500	2155	1855	1640	1480	1290	1135	1020	689							
9.60 (1.60)	A	500.0	318.0	247.7	211.0	176.0	145.3	135.0	120.0	104.3	95.0	70.0							
	W	4700	3400	2580	2220	1920	1700	1520	1300	1160	1050	700							

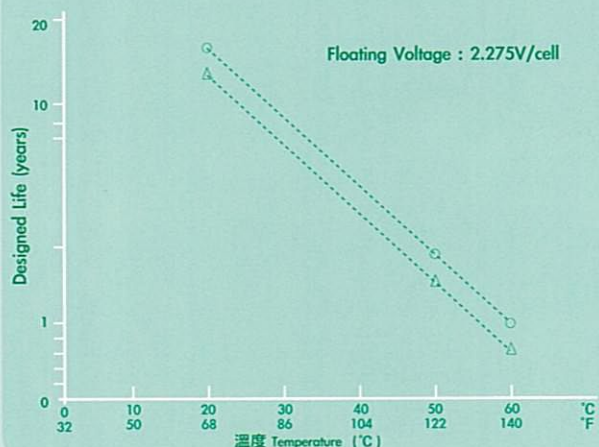
放電 DISCHARGING

放電特性 DISCHARGING CHARACTERISTICS

放電曲線 Discharging Characteristics Curves at 25°C

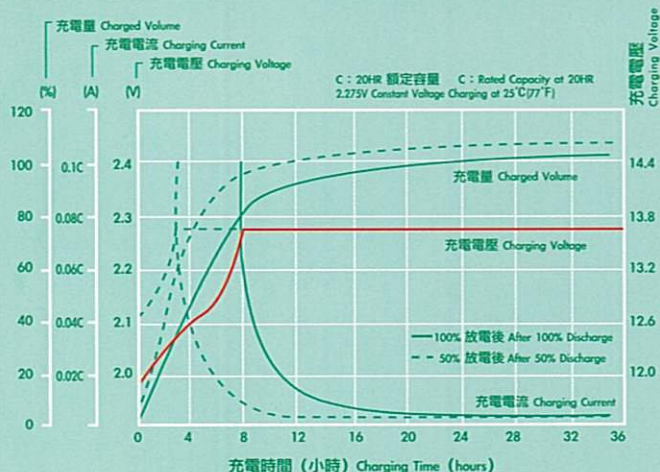


壽命特性 ACCELERATED LIFE CHARACTERISTIC



充電 CHARGING

充電特性 CHARGING CHARACTERISTICS



充電電壓 CHARGING VOLTAGE

溫度與充電電壓關係 Relationship Between Temperature and Charging Voltage

