



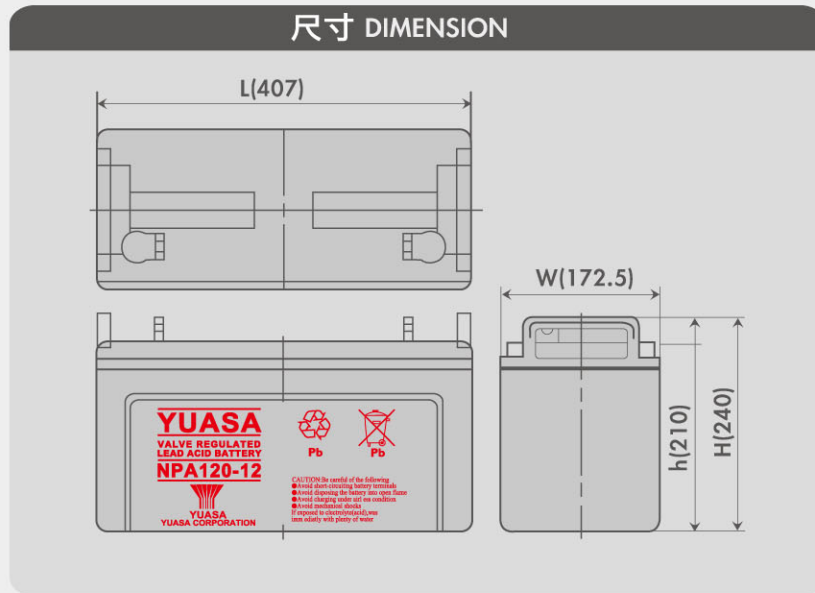
YUASA

ISO 9001 QUALITY ASSURANCE

ISO-14001 CERTIFICATE NO.00154

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

NPA120-12



● 公稱電壓 Nominal Voltage : 12V

● 尺寸 Dimension

長度 Length : 407 ± 3mm (16.03in)

寬度 Width : 172.5 ± 3mm (6.80in)

高度 Height : 210 ± 3mm (8.27in)

總高 Total Height : 240 ± 3mm (9.45in)

● 重量 Weight (Approx.) : 86 Pounds (38.5Kg)

● 公稱容量 Nominal Capacity

20小時率 20HR · rate of 6.0A To 10.0V 120AH

● 放電容量 Discharge Capacity : 95% 以上

● 內部阻抗 Internal Resistance : 4.5mΩ

● 最大充電電流 Max Charge Current : 0.25Ca (25A)

最大放電電流 Max Discharge Current : 500A (5Ca)

最大短路電流 Max Short Duration Discharge Current : 700A (7Ca)

● 操作溫度範圍 Operation Temperature Range

充電 Charge 32°F To 104°F (0°C To 40°C)

放電 Discharge 5°F To 122°F (-15°C To 50°C)

● 保存溫度範圍 Storage Temperature Range

5°F To 104°F (-15°C To 40°C)

● 浮充 Float Charging : 13.65 ± 0.15V

● 壽命 Expected Life (25°C)

10 years in floating charge

● 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.

● 標準端子 Standard Terminal : M10 Bolt

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

氧氣指數 28.0% LOI ↑

● 用途 Applications :

無停電裝置、電信、照明、警報、儀器、醫療、太陽能

NPA120-12 PERFORMANCE DATA AT 25°C (77 °F)-Amperes and watts

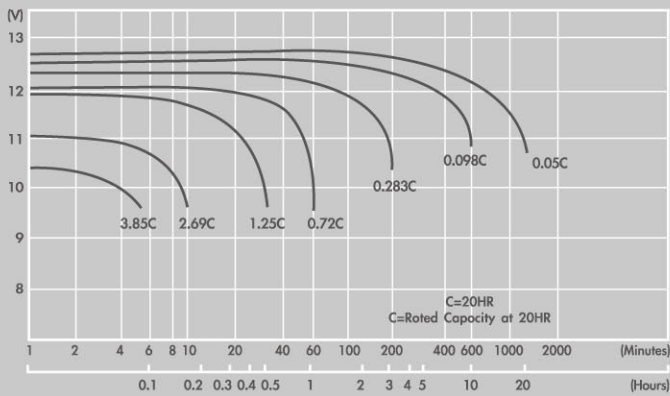
F.V.	Time	1 min	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	1 h	2 h	3 h	5 h	10 h	20 h
10.50 (1.75)	A	429	341	264	197	168	145	134	118	102	96	79	44	33	22	11	5
	W	4400	3630	2833	2376	2013	1683	1548	1309	1232	1122	875	504	363	242	138	69
10.20 (1.70)	A	484	374	286	215	176	154	138	121	105	99	80	45	33	23	11	5
	W	4884	3960	3036	2475	2079	1749	1584	1419	1287	1155	891	508	376	244	150	74
10.02 (1.67)	A	534	401	294	222	178	158	140	125	107	101	81	46	34	22	12	5
	W	5225	4180	3097	2514	2101	1793	1604	1465	1320	1177	908	518	383	248	158	79
9.90V (1.65)	A	550	407	297	224	179	160	141	127	108	102	82	47	35	22	12	6
	W	5280	4235	3113	2534	2138	1859	1610	1478	1340	1208	913	528	409	290	168	84
9.60 (1.60)	A	605	440	308	231	182	165	143	132	110	105	83					
	W	5610	4422	3201	2541	2145	1881	1617	1485	1353	1221	924					

Symbol "C" represent the measured nominal capacity of battery in 20 hours discharge rate.
The initial discharge capacity of new battery take 95% of the above-mentioned values, and can reach the actual capacity after 3-5 times charge and discharge.

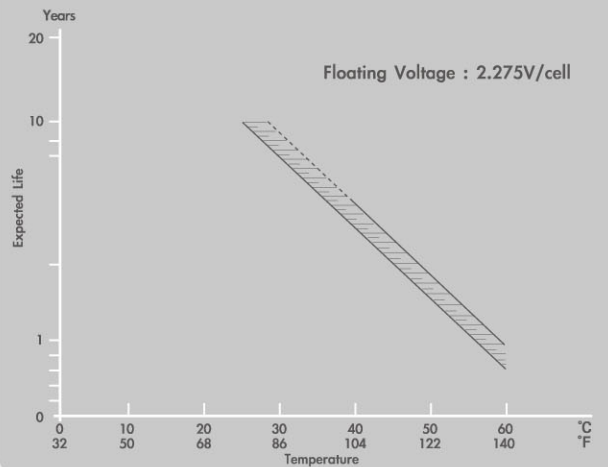
DISCHARGING

DISCHARGING CHARACTERISTICS

Discharging Characteristics Curves at 25°C

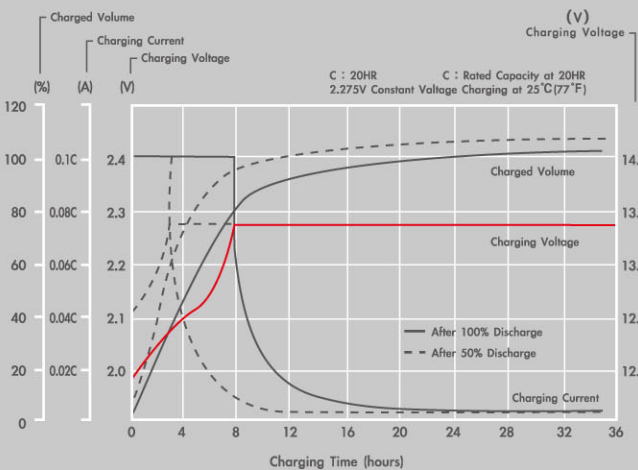


ACCELERATED LIFE CHARACTERISTIC



CHARGING

CHARGING CHARACTERISTICS



CHARGING VOLTAGE

Relationship Between Temperature and Charging Voltage

