



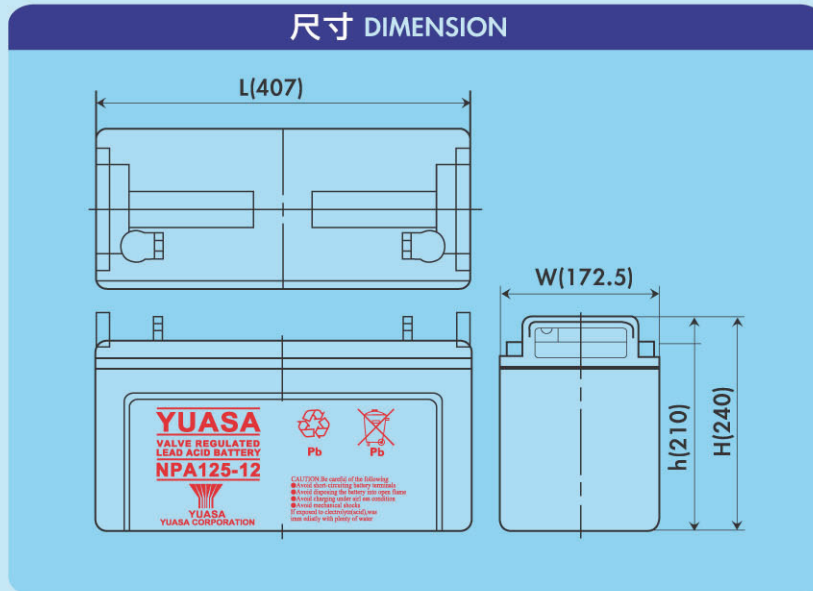
# YUASA

ISO 9001 QUALITY ASSURANCE

ISO-14001 CERTIFICATE NO.00154

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

### NPA125-12



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.) : 42Kg

公稱容量 Nominal Capacity

20小時率 20HR · rate of 6.25A To 10.5V 125AH

放電容量 Discharge Capacity : 95% 以上

內部阻抗 Internal Resistance : 3.8mΩ

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

# NPA125-12 PERFORMANCE DATA AT 25°C (77°F)-Amperes and watts

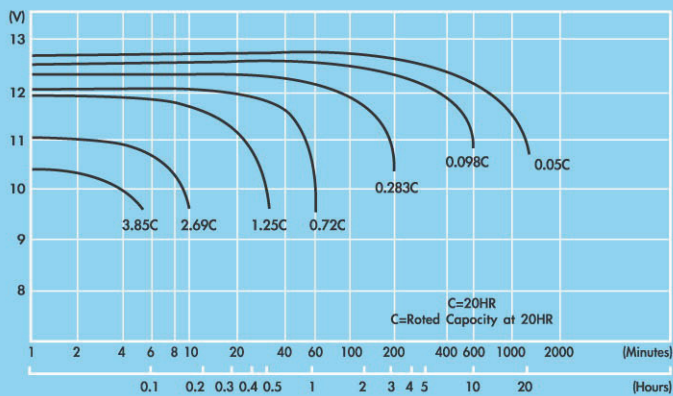
F.V.	Time	1	5	10	15	20	25	30	35	40	45	1	2	3	5	10	20
		min	min	min	min	min	min	min	min	min	min	min	h	h	h	h	h
10.50 (1.75)	A	463.3	368.3	285.1	212.8	181.4	156.6	144.7	127.4	110.2	103.7	85.3	47.5	35.6	23.8	12	6.25
	W	4752	3920	3060	2566	2174	1818	1672	1414	1331	1212	945	544	392	261	140	71
10.20 (1.70)	A	522.7	403.9	308.9	232.2	190.1	166.3	149.0	130.7	113.4	106.9	86.4	48.6	35.6	24.8	12	6.25
	W	5275	4277	3279	2673	2245	1889	1711	1533	1390	1248	962	549	406	264	158	76
10.02 (1.67)	A	576.7	433.1	317.5	239.8	192.2	170.6	151.2	135.0	115.6	109.1	87.5	49.7	36.7	23.8	13	6.4
	W	5643	4514	3345	2715	2269	1936	1732	1582	1426	1271	981	559	414	268	162	80
9.90V (1.65)	A	594	439.6	320.8	241.9	193.3	172.8	152.3	137.2	116.6	110.2	88.6	50.8	37.8	23.8	13	6.5
	W	5702	4574	3362	2737	2309	2008	1739	1596	1447	1305	986	570	442	313	170	85
9.60 (1.60)	A	653.4	475.2	332.6	249.5	196.6	178.2	154.4	142.6	118.8	113.4	89.6					
	W	6059	4776	3457	2744	2317	2031	1746	1604	1461	1319	998					

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.

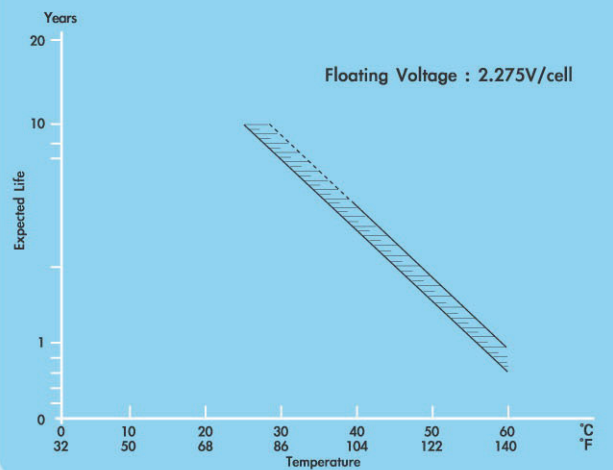
## DISCHARGING

### DISCHARGING CHARACTERISTICS

Discharging Characteristics Curves at 25°C

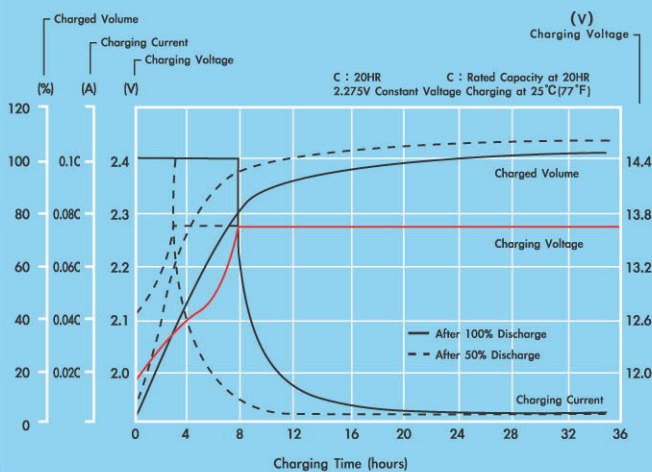


### ACCELERATED LIFE CHARACTERISTIC



## CHARGING

### CHARGING CHARACTERISTICS



### CHARGING VOLTAGE

Relationship Between Temperature and Charging Voltage

