



YUASA

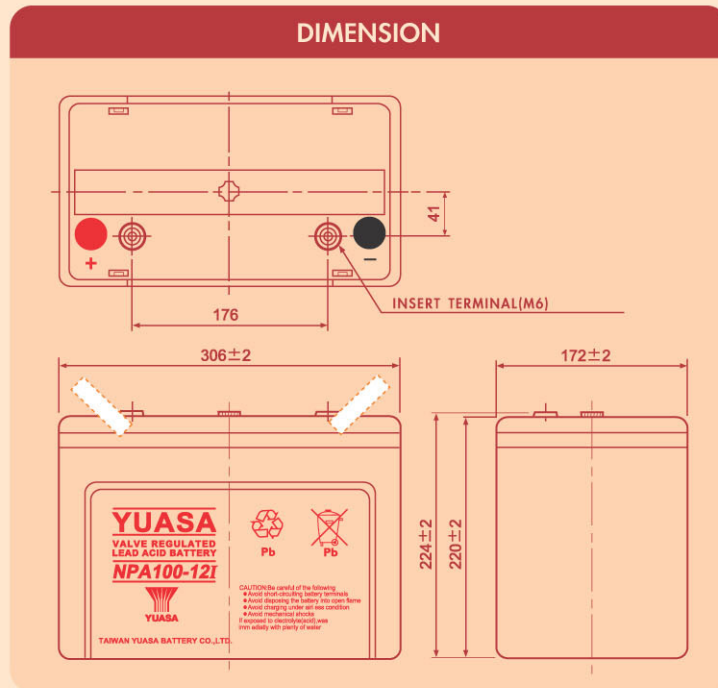
ISO 9001 QUALITY ASSURANCE

ISO-14001 CERTIFICATE NO.00154

Valve Regulated Lead Acid Battery

NPA100-12I

(12V100AH)



Nominal Voltage : 12V

Dimension :

Length : 306 ± 2mm

Width : 172 ± 2mm

Height : 220 ± 2mm

Total Height : 224 ± 2mm

Weight (Approx.) : 33Kg

Internal Resistance : 5mΩ ↓

Max Charge Current : 25A

Max Discharge Current : 650A

Max Short Duration Discharge Current : > 650A

Operation Temperature Range :

-15°C to 50°C (5°F to 122°F)

Storage Temperature Range :

-15°C to 40°C (5°F to 104°F)

Float Charging : 13.65 ± 0.15V

Expected Life (25°C) :

10 years in floating charge

Sealed Construction :

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

Can't be charged while the terminal is downward.

Insert Terminal : M6 Bolt

Container Material : Flame Retardant ABS (UL94-V0)

28.0%LOI

Vent plug provided with built-in ceramic filter

Prevents ignition entering battery.

Prevents acid fumes from escaping from the battery.

Applications :

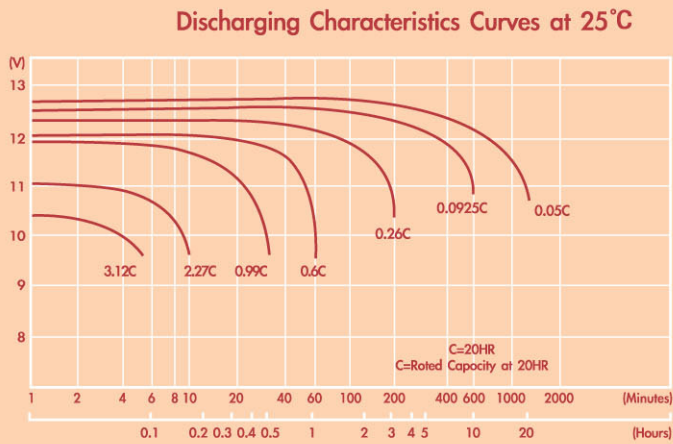
Telecommunications, UPS, Alarm systems, Fire & security systems, Emergency lighting, Engine starting, Solar powered systems, Utilities

NPA100-12I PERFORMANCE SPECIFICATION : Amperes and watts at 25°C (77°F)

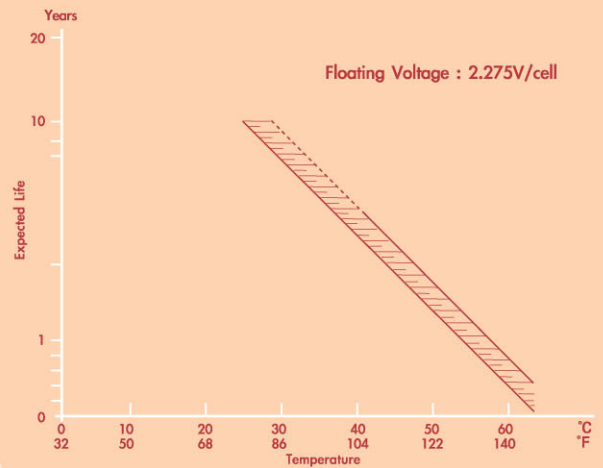
F.V.	Time Item	Minutes										Hours					
		5	10	15	20	25	30	35	40	45	1	2	3	5	8	10	20
10.80 (1.80)	A	247.2	202.0	165.9	153.0	128.8	110.3	103.0	95.9	88.1	68.5	38.0	27.0	17.0	11.0	9.0	4.5
	W	2679	2266	1906	1648	1463	1319	1185	1082	1010	660	390	290	190	130	105	50
10.50 (1.75)	A	271.9	215.0	184.4	157.2	131.9	113.8	105.1	101.0	90.2	69.5	38.5	27.3	17.5	11.3	9.1	5.0
	W	2988	2369	2040	1751	1545	1401	1246	1123	1020	670	400	295	195	135	110	55
10.20 (1.70)	A	288.5	226.6	194.7	159.7	140.4	126.7	107.1	102.5	91.2	70.0	39.0	27.9	17.8	11.5	9.1	5.0
	W	3297	2525	2163	1854	1648	1494	1309	1154	1030	682	410	300	197	138	115	58
10.02 (1.67)	A	299.8	242.1	204.0	170.0	139.1	130.9	111.3	102.8	92.7	70.0						
	W	3400	2576	2221	1911	1689	1525	1329	1169	1050	689						
9.90 (1.65)	A	306.0	247.0	210.0	175.0	143.0	133.0	117.0	104.0	94.0							
	W	3490	2600	2260	1950	1710	1530	1330	1185	1065							
9.60 (1.60)	A	320.0	253.0	221.0	183.0	151.0	140.0	125.0	108.0	98.0							
	W	3700	2700	2330	2015	1780	1590	1360	1210	1100							

DISCHARGING

DISCHARGING CHARACTERISTICS

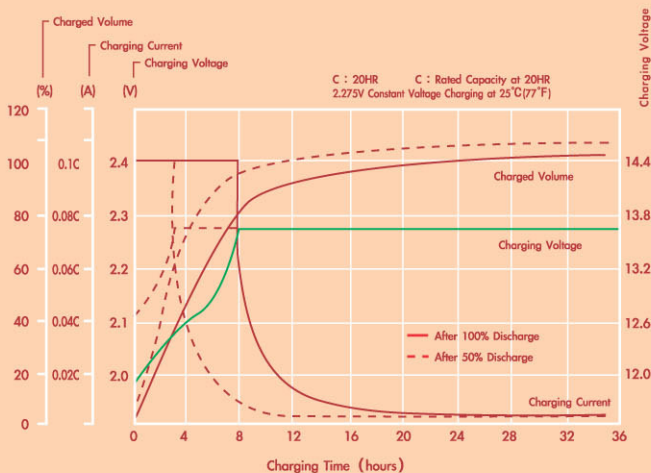


ACCELERATED LIFE CHARACTERISTIC



CHARGING

CHARGING CHARACTERISTICS



CHARGING VOLTAGE

