



YUASA

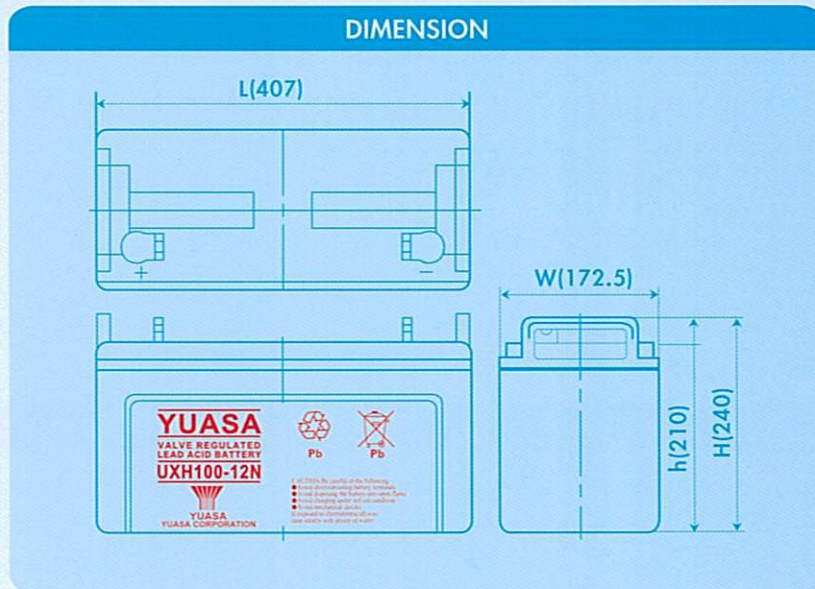
Valve Regulated Lead Acid Battery

ISO 9001 QUALITY ASSURANCE

ISO-14001 CERTIFICATE NO.00154

UL (MH12970)

UXH 100-12N



Nominal Voltage : 12V

Dimension :

Length : 407 ± 3mm (16.03in)

Width : 172.5 ± 3mm (6.80in)

Height : 210 ± 3mm (8.27in)

Total Height : 240 ± 3mm (9.45in)

Weight (Approx.) : 86 Pounds (39Kg)

Nominal Capacity :

20HR · rate of 5.2A To 10.80V 104AH

10HR · rate of 10.2A To 10.80V 102AH

5HR · rate of 19.5A To 10.50V 97.5AH

1HR · rate of 75A To 9.60V 75AH

Internal Resistance : 5mΩ

Max Charge Current : 0.25CA (25A)

Max Discharge Current : 300A (3CA)

Max Short Duration Discharge Current : 650A (6.5CA)

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.

Standard Terminal : M10 Bolt

Housing Material : Flame Retardant ABS (UL94-V0)

28.0%LOI

Applications :

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

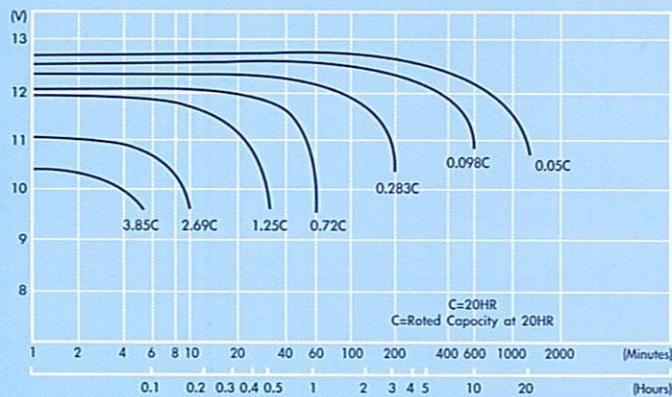
UXH100-12N PERFORMANCE DATA AT 25°C (77°F)-Amperes and watts

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	8 h	10 h	20 h
10.98 (1.83)	A											68.0	36.0	27.0	17.0	12.0	9.9	
	W											760	445	312	204	132	108	
10.80 (1.80)	A	350.0	280.0	220.0	165.0	145.0	125.0	120.0	105.0	90.0	85.0	71.0	39.0	29.0	18.5	12.5	10.2	5.2
	W	3600	3000	2400	2076	1770	1470	1380	1170	1080	990	786	453	324	213	141	117	63
10.50 (1.75)	A	390.0	310.0	240.0	179.0	153.0	132.0	122.0	107.4	92.5	87.6	72.0	40.0	29.5	19.5	13.0	10.5	
	W	4000	3300	2575	2160	1830	1530	1407	1190	1120	1020	795	458	330	220	151	129	
10.20 (1.70)	A	440.0	340.0	260.0	195.0	160.0	140.0	125.0	110.0	95.0	90.0	73.0	41.0	30.0				
	W	4440	3600	2760	2250	1890	1590	1440	1290	1170	1050	810	462	342				
10.02 (1.67)	A	485.0	365.0	267.0	202.0	162.0	144.0	127.0	114.0	97.0	92.0	74.0	42.0	31.0				
	W	4750	3800	2815	2285	1910	1630	1458	1332	1200	1070	825	471	348				
9.90V (1.65)	A	500.0	370.0	270.0	204.0	163.0	145.0	128.0	115.0	98.0	93.0	74.5	42.5	31.5				
	W	4800	3850	2830	2304	1944	1690	1464	1344	1218	1098	830	480	372				
9.60 (1.60)	A	550.0	400.0	280.0	210.0	165.0	150.0	130.0	120.0	100.0	95.0	75.0						
	W	5100	4020	2910	2310	1950	1710	1470	1350	1230	1110	840						

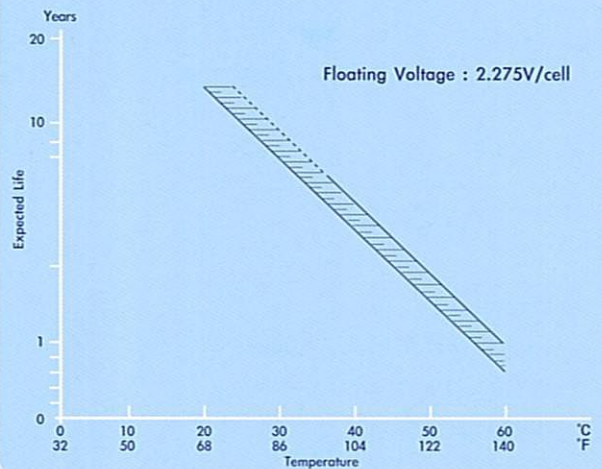
DISCHARGING

DISCHARGING CHARACTERISTICS

Discharging Characteristics Curves at 25°C

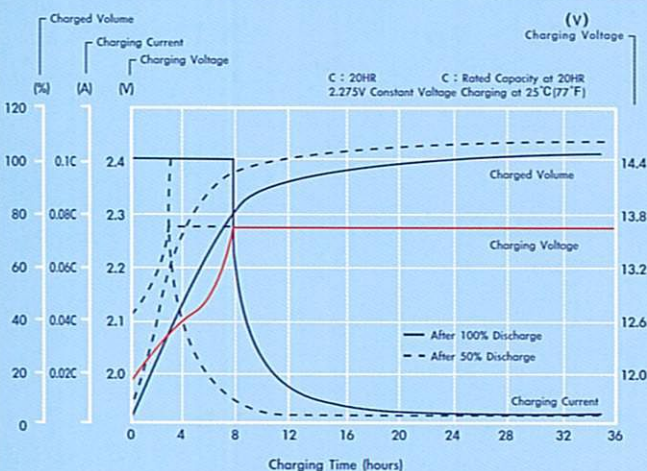


ACCELERATED LIFE CHARACTERISTIC



CHARGING

CHARGING CHARACTERISTICS



CHARGING VOLTAGE

Relationship Between Temperature and Charging Voltage

