

Plates

Туре

Туре

**Positive Plates:** Number/cell

Material of grid

Material of grid

Thickness

Thickness **Negative Plates:** Number/cell

## Product Specification UXL220-2



## Yuasa Ultra Extended Life Series VRLA Battery, 15 Years Design Life

Since 1984, the Yuasa UXL series battery has established a reputation as a very reliable power source. These batteries are designed to meet the growing request for longer life and higher reliability. Constructed with special electrolyte separators, the Yuasa UXL battery is guaranteed to have no 'free acid'. This feature allows the battery to be mounted either vertically or horizontally.

- 15 Year Design Life
- Non-Spillable Battery (No Free Acid)
- Gas Pressure Venting System
- No Equalising Charge Required

General Performance		
Battery	UXL 220-2	
Application	Floating	
Design Life	15 Years	
Nominal Capacity	200Ah	
Actual Capacity at 25°C	1 hour rate to 1.70V	131Ah
	3 hour rate to 1.70V	168.9Ah
	10 hour rate to 1.85V	189Ah
	10 hour rate to 1.80V	200Ah

Electrolyte			
Fully charge density at 25°C	1.260		
Density Range	1.255-1.265		
Gelled/Absorbed	Absorbed		
Mounting Orientation	Vertical/Horizontal		

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Flat Pasted

Flat Pasted

2.6mm

4.5mm

Calcium Lead Tin

Calcium Lead Tin

2
YUASA Marina Man

	TOP
106±2mm	







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## Yuasa Ultra Extended Life Series VRLA Battery, 15 Years Design Life

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Charging Characteristics

Physical Properties	
Separators	
Туре	Glass Mat
Is glass fibre included?	Yes
Thickness	2.1mm
Container & Cover Materials	
Cell Material, Colour	Acrylonitrile Butadiene Styrene ABS/Grey
Battery Material, Colour	Acrylonitrile Butadiene Styrene ABS/Grey
Flame Retardant	Yes - UL 94V0
Safety Vent Operational Pressure	20kPA
Dimensions:	
Width	170mm ±2
Depth	106mm ±2
Height	330mm <u>+</u> 2
Overall Height	362mm ± 2
Battery Weight (kg)	16kg

Charged Volume Charging Current Charging Voltage 2.23V Constant Voltage Charging at 25°C (%) 120 -(A) (V) 100 010-24 charged Volum 80 0.08C -2.3 Charging Voltage 0.060 60 2.2 40 0.04C 2. After 100% Discharge After 50% Discharge 20 0.02C 2.0

32 16 20 8 12 24 28 4 Charging Time (Hours)

Discharge Characteristics Curves at 25°C

<b>Electrical Properties</b>			
Self Discharge Rate @ 25°C	<3% / mth		
Normal Charge (Amperes)	20A		
Max. Charge (Amperes)	20A		
Max. Sustained Current without damage (discharging)	702A		
Internal Resistance (mOHMS)	0.5 mΩ		
Volts End of Charge	2.23Vpc		
	20°C	25°C	30°C
Float Voltage	2.25 Vpc	2.23 Vpc	2.22 Vpc
Float Current (mA)	~200mA	~200mA	~200mA
Initial Short circuit current (A)	4200A		
Efficiency at 10 hour rate (%):			
Ampere-Hour	>90%		
Watt-Hour	>80%		

**Torque Setting** Terminal Torque Setting

14.7 - 19.6 N.m.

**Compliant Standard** Manufacturing Standard

JIS C8704-2: 1999





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