

Product Specification UXL550-2

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

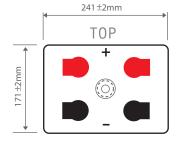
General Performance		
Battery	UXL 550-2	
Application	Floating	
Design Life	15 Years	
Nominal Capacity	500Ah	
Actual Capacity at 25°C	1 hour rate to 1.70V	303Ah
	3 hour rate to 1.70V	405Ah
	10 hour rate to 1.85V	472Ah
	10 hour rate to 1.80V	500Ah

Electrolyte	
Fully charge density at 25°C	1.260
Density Range	1.250-1.270
Gelled/Absorbed	Absorbed
Mounting Orientation	Vertical/Horizontal

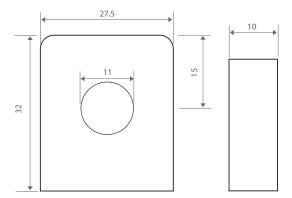
Mounting Orientation	Vertical/Horizontal	
Plates		
Positive Plates:		
Number/cell	20	
Type	Flat Pasted	
Material of grid	Calcium Lead Tin	
Thickness	4.5mm	
Negative Plates:		
Number/cell	21	
Туре	Flat Pasted	
Material of grid	Calcium Lead Tin	

2.6mm

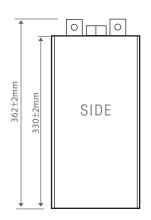


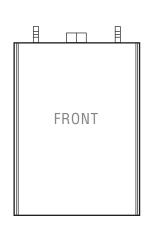


Terminal Type - M10



Thickness





Century Yuasa believes that the data presented is generally accurate for the purpose for which it is presented, however expressly disclaims any representation of warranty expressed or implied, concerning the data or recommendations and in no event shall be liable for any loss or damage claimed to have arisen as a result of the use of this brochure.



Product Specification UXL550-2



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

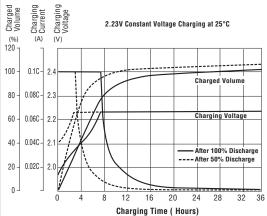
Physical Properties	
Separators	
Туре	Glass Mat
Is glass fibre included?	Yes
Thickness	2.1mm
Container & Cover Materials	
Cell Material, Colour	Acrylonitrile Butadiene Styrene ABS/Grey
Battery Material, Colour	Acrylonitrile Butadiene Styrene ABS/Grey
Flame Retardant	Yes - UL 94V0
Safety Vent Operational Pressure	20kPA
Dimensions:	
Width	171mm ± 2
Depth	241mm <u>+</u> 2
Height	330mm ± 2
Overall Height	362mm <u>+</u> 2
Battery Weight (kg)	38kg

Electrical Properties			
Self Discharge Rate @ 25°C	<3% / mth		
Normal Charge (Amperes)	50A		
Max. Charge (Amperes)	50A		
Max. Sustained Current without damage (discharging)	2500A~5 sec		
Internal Resistance (mOHMS)	0.3 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)	<500mA	<500mA	<500mA
Initial Short circuit current (A)	~7400A		•
Efficiency at 10 hour rate (%):			
Ampere-Hour	>90%		
Watt-Hour	>80%		

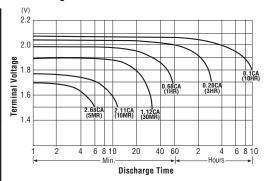
Torque Setting	
Terminal Torque Setting	14.7 - 19.6 N.m.

Compliant Standard	
Manufacturing Standard	JIS C8704-2: 1999

■ Charging Characteristics



■ Discharge Characteristics Curves at 25°C





An affiliated business of the GS Yuasa Corporation, Century Yuasa has an 80-year history of supplying a range of stored energy solutions to the Australian market. An established network of sales and distributions offices throughout Australia and New Zealand has seen the business gain the trust and respect from its customers by focusing on quality products and exceptional customer service. CenturyYuasa is Australia's enduring manufacturer of stored energy products.