Product Specification

FXH100-12S

Product NO. 313122

Yuasa FXH Series VRLA Battery, 10 Years Design Life

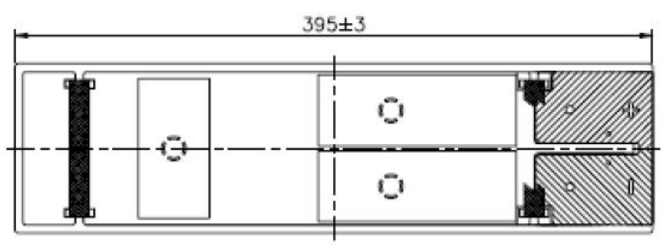
The Yuasa FXH series is designed to provide the highest possible energy density, while offering a 10-year design life product. Incorporating valve regulated technology, Yuasa's FXH is ideally suited for communication racks, with the front terminal connection providing quick and safe installation and maintenance.

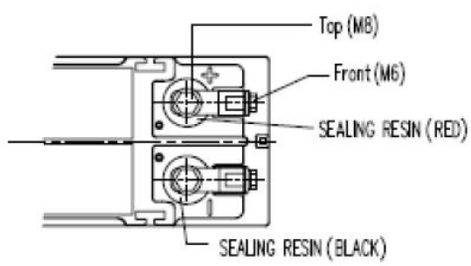
- Front terminal construction
- Long service life: 10 years, @ 25°C
- Flame retardant battery lid and container (UL94 V-0)

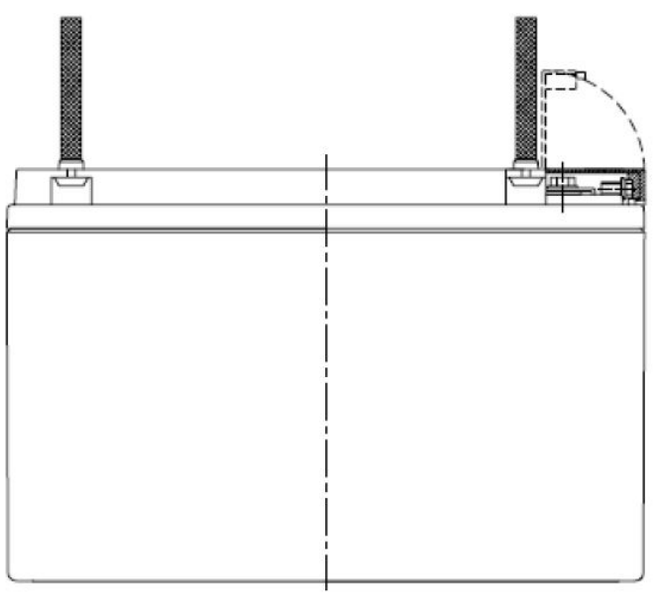
* Contact Century Yuasa for information specific to your application

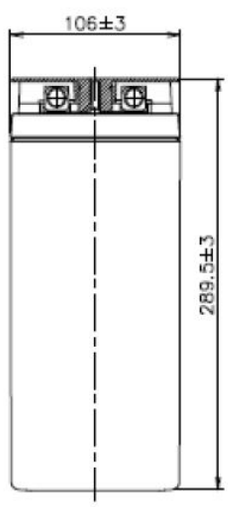
General Performance		
Battery	FXH100-12S	
Application	Floating	
Design Life	10 Years	
Nominal Capacity	100Ah @C10 (to 1.80Vpc)	
Actual Capacity at 25°C	Ah @ C1 to 1.80Vpc	65.6 Ah
	Ah @ C3 to 1.80Vpc	81.9 Ah
	Ah @ C10 to 1.80Vpc	100.0 Ah
	Wh @ C1 to 1.80Vpc	768 Wh
	Wh @ C3 to 1.80Vpc	978 Wh
	Wh @ C10 to 1.80Vpc	1190 Wh

Plates	
Positive Plates:	
Number/cell	6
Type	Flat Pasted
Material of grid	Lead-Calcium-Tin Alloy
Thickness	2.95 mm
Negative Plates:	
Number/cell	7
Type	Flat Pasted
Material of grid	Lead-Calcium-Tin Alloy
Thickness	1.75 mm









Mkt No. YU309-1806

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FXH100-12S

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Yuasa FXH Series VRLA Battery, 10Years Design Life

Physical Properties

Separators	
Type	Glass Mat
Is glass fibre included?	Yes
Thickness	0.9 mm
Container & Cover Materials	
Lid Material, Colour	Acrylonitrile Butadiene Styrene ABS/Grey
Container Material, Colour	Acrylonitrile Butadiene Styrene ABS/Grey
Flame Retardant	Yes - UL94VO
Safety Vent Operational Pressure	20kPa
Dimensions	
Width	106 mm ± 3
Depth	395 mm ± 3
Height	289.5 mm ± 3
Overall Height	289.5 mm ± 3
Mounting Orientation	Vertical
Battery Weight (kg)	
Total Weight (wet)	34 kg
Terminal	
Terminal Type	M6 Bolt
Terminal Torque	4.9 Nm

Electrolyte

Full charge density at 25°C	1.335
Density Range	1.330 - 1.340
Gelled/Absorbed	Absorbed

Electrical Properties

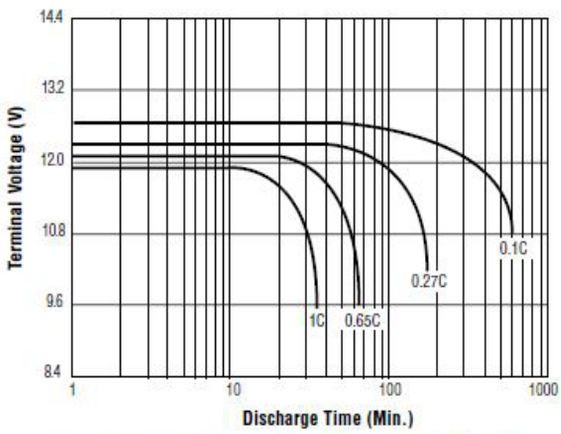
Self Discharge Rate @ 25°C	<3% per month		
Normal Charge (Amperes)	10.0 A		
Internal Resistance (mOHMS)	3.5 m Ω		
Volts End of Charge	2.275 Vpc		
Max. sustained current without damage (discharging)	600A (5 sec)		
	20°C	25°C	30°C
Float Voltage (Vpc)	2.290 Vpc	2.275 Vpc	2.260 Vpc
Float Current (mA)	<100mA	<100mA	<100mA
Initial Short circuit current (A)	2200A		
Efficiency at 10 hour rate (%)			
Ampere-Hour	>90%		
Watt-Hour	>78%		

Compliant Standard

Manufacturing Standard	JIS C8704-2: 1999

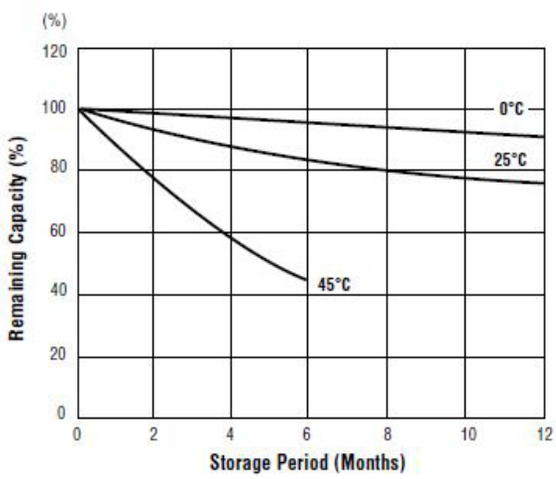
Discharge Characteristics

Discharge Characteristic Curves at 25°C

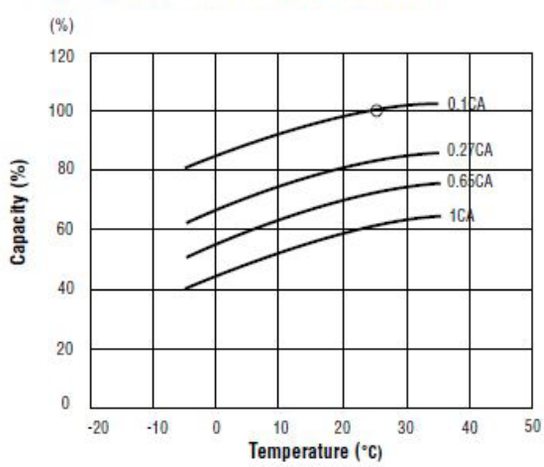


Please consult with us in case of use at discharge current of 1C or larger

Self Discharge Characteristics



Temperature and Discharge Capacity



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.