

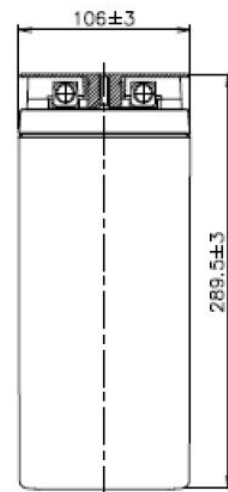
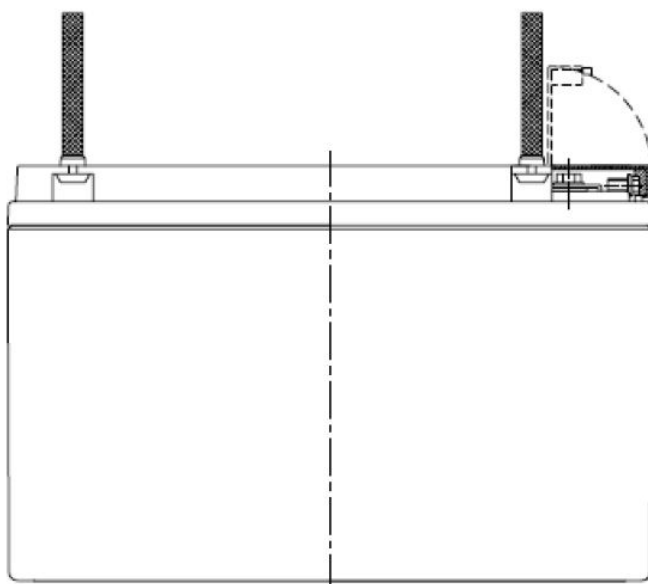
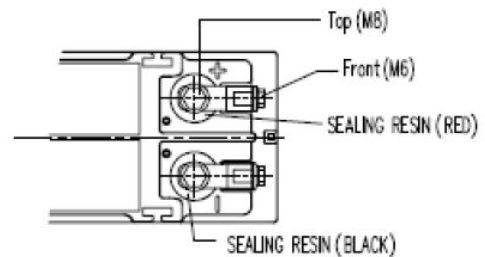
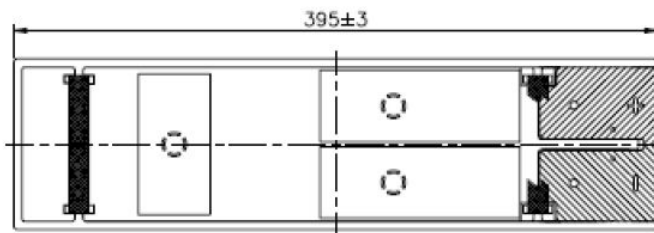
## Yuasa FXH Series VRLA Battery, 10 Years Design Life

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			Plates	
Battery	FXH100-12S		<b>Positive Plates:</b>	
Application	Floating		Number/cell	6
Design Life	10 Years		Type	Flat Pasted
Nominal Capacity	100Ah @C10 (to 1.80Vpc)		Material of grid	Lead-Calcium-Tin Alloy
Actual Capacity at 25°C	Ah @ C1 to 1.80Vpc	65.6 Ah	Thickness	2.95 mm
	Ah @ C3 to 1.80Vpc	81.9 Ah	<b>Negative Plates:</b>	
	Ah @ C10 to 1.80Vpc	100.0 Ah	Number/cell	7
	Wh @ C1 to 1.80Vpc	768 Wh	Type	Flat Pasted
	Wh @ C3 to 1.80Vpc	978 Wh	Material of grid	Lead-Calcium-Tin Alloy
	Wh @ C10 to 1.80Vpc	1190 Wh	Thickness	1.75 mm





Yuasa FXH Series VRLA Battery, 10Years Design Life

Physical Properties	
<b>Separators</b>	
Type	Glass Mat
Is glass fibre included?	Yes
Thickness	0.9 mm
<b>Container &amp; Cover Materials</b>	
Lid Material, Colour	Acrylonitrile Butadiene Styrene ABS/Grey
Container Material, Colour	Acrylonitrile Butadiene Styrene ABS/Grey
Flame Retardant	Yes - UL94V0
Safety Vent Operational Pressure	20kPa
<b>Dimensions</b>	
Width	106 mm ± 3
Depth	395 mm ± 3
Height	289.5 mm ± 3
Overall Height	289.5 mm ± 3
Mounting Orientation	Vertical
<b>Battery Weight (kg)</b>	
Total Weight (wet)	34 kg
<b>Terminal</b>	
Terminal Type	M6 Bolt
Terminal Torque	4.9 Nm

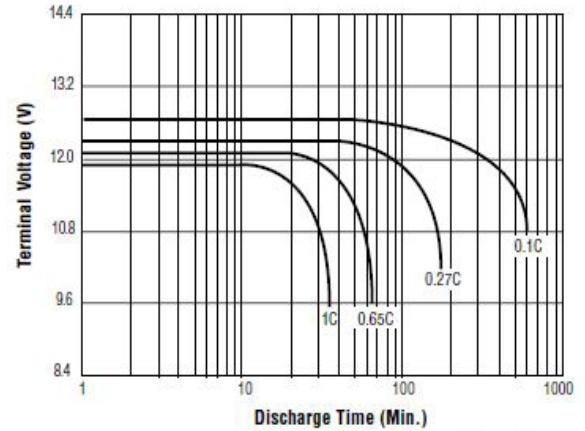
Electrolyte	
Full charge density at 25°C	1.335
Density Range	1.330 - 1.340
Gelled/Absorbed	Absorbed

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		
<b>Efficiency at 10 hour rate (%)</b>			
Ampere-Hour	>90%		
Watt-Hour	>78%		

Compliant Standard	
Manufacturing Standard	JIS C8704-2: 1999

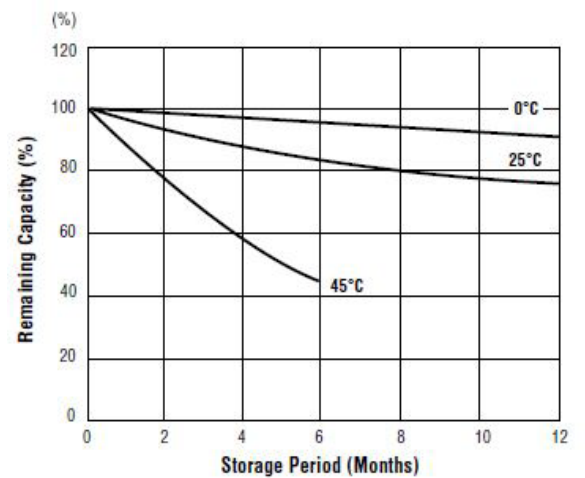
### Discharge Characteristics

Discharge Characteristic Curves at 25°C

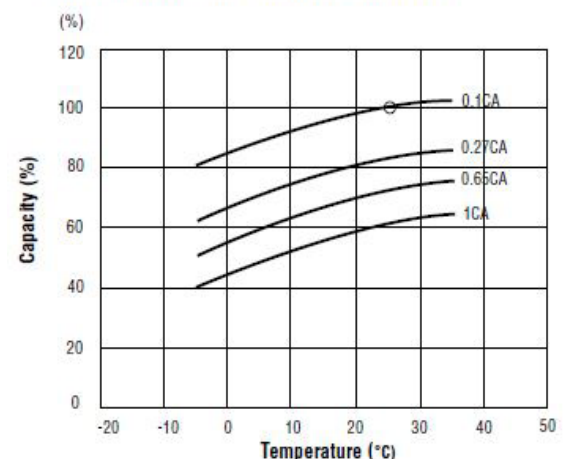


Please consult with us in case of use at discharge current of 1C or larger

### 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. Century Yuasa is Australia's enduring manufacturer of stored energy products.