

Yuasa FXH Series, VRLA Battery 10 Years Design Life

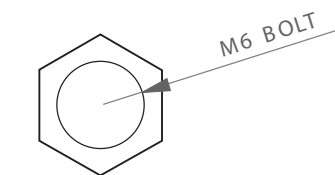
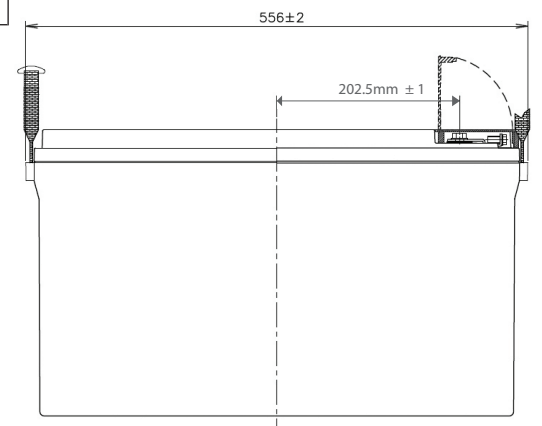
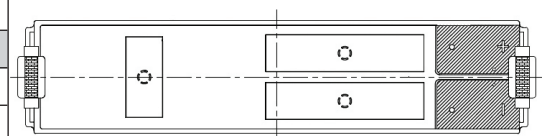
The Yuasa FXH series is designed to provide the highest possible energy density, while offering a 10-year design life product. Incorporating valve regulated technology, Yuasa's FXH is ideally suited for 19" and 23" communication racks, with the front terminal connection providing quick and safe installation and maintenance.

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

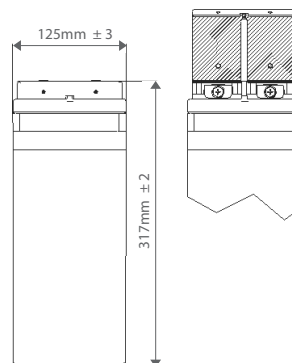
General Performance		
Battery	FXH190-12S	
Application	Floating	
Design Life	10 Years	
Nominal Capacity	190Ah (10h rate to 10.8V end voltage)	
Actual Capacity at 25°C	Ah @ C1 to 1.85Vpc	122.0Ah
	Ah @ C3 to 1.85Vpc	157.0Ah
	Ah @ C10 to 1.85Vpc	184.0Ah
	Wh @ C1 to 1.85Vpc	1461Wh
	Wh @ C3 to 1.85Vpc	1864Wh
	Wh @ C10 to 1.85Vpc	2256Wh

Electrolyte	
Fully charge density at 25°C	1.335
Density Range	1.330 - 1.340
Gelled/Absorbed	Absorbed
Mounting Orientation	Vertical

Plates	
Positive Plates:	
Number/cell	7
Type	Flat Pasted
Material of grid	Lead Calcium Tin
Thickness	3.0mm
Negative Plates:	
Number/cell	8
Type	Flat Pasted
Material of grid	Lead Calcium Tin
Thickness	1.9mm



Terminal Type
Bolt on - M6



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
Mounting Orientation	Vertical
Dimensions	
Width	125 mm ± 3
Depth	556 mm ± 2
Height	317 mm ± 2
Overall Height	317 mm ± 2
Battery Weight (kg)	
Total Weight (wet)	60.5 kg
Terminal	
Terminal Type	M6 threaded copper insert (nut insert)
Terminal Torque	4.9 to 6Nm

Electrolyte

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

Electrical Properties

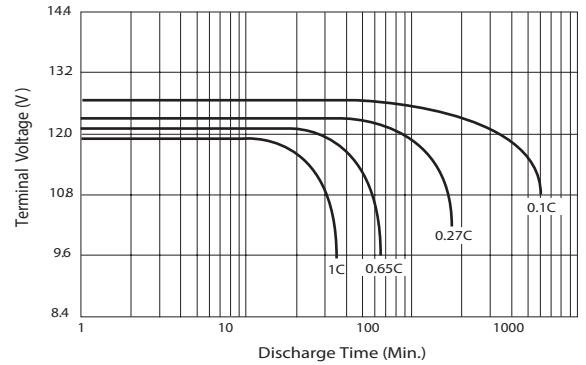
Self Discharge Rate @ 25°C	<3% per month		
Normal Charge (Amperes)	19A		
Internal Resistance (mOHMS)	2.5 m Ω		
Volts End of Charge	2.275 Vpc		
	20°C	25°C	30°C
Float Voltage (Vpc)	2.290 Vpc	2.275 Vpc	2.260 Vpc
Float Current (mA)	<190mA	<190mA	<190mA
Initial Short circuit current (A)	3750A		
Ampere-Hour	>90%		
Watt-Hour	>78%		

Compliant Standard

Manufacturing Standard	JIS C8704-2: 1999
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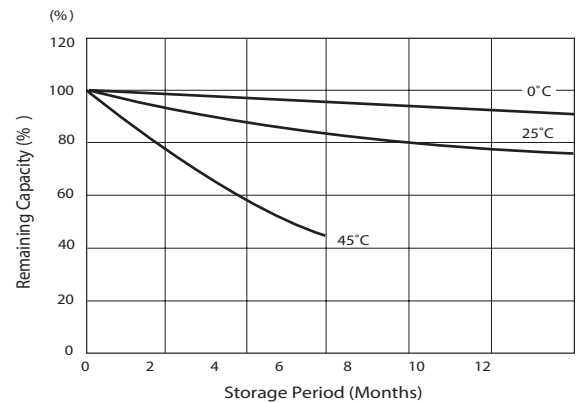
Discharge Characteristics

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

