

Product Specification UXH50-12

Yuasa UXH Series VRLA Battery, 10 Years Design Life

Yuasa UXH batteries are constructed to yield even greater capacity than comparable batteries. The UXH uses AGM technology which ensures that there is no 'free acid' in the battery. This allows the battery to be mounted either vertically or horizontally. An additional feature of this product is Yuasa's heavy duty lead calcium-tin alloy, providing the UXH battery the ability to remain in float service for 10 years.

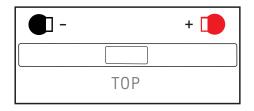
- 10 Year Design Life
- · High Energy Density
- Gas Pressure Venting System
- No Equalising Charge Required

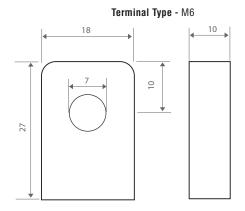
General Performance		
Battery	UXH50-12	
Application	Floating	
Design Life	10 Years	
Nominal Capacity	50Ah	
Actual Capacity at 25°C	1 hour rate to 1.70 Vpc	29.0Ah
	3 hour rate to 1.70 Vpc	39.0Ah
	10 hour rate to 1.80 Vpc	46.0Ah

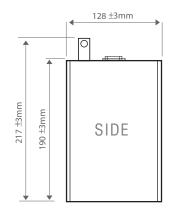
V	
YUASA VALVE REGULATED LEAD ACID BATTERY	
UXH50-12 THE STATE OF THE STAT	Pb Pb
GP Need Corporation. Word in John	**************************************

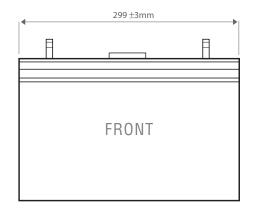
Electrolyte	
Fully charge density at 20°C	1.300
Density Range	1.290-1.310
Gelled/Absorbed	Absorbed
Mounting Orientation	Vertical/Horizontal

Plates	
Positive Plates:	
Number/cell	4
Туре	Flat Pasted
Material of grid	Lead-Calcium-Tin Alloy
Thickness	4.0mm
Negative Plates:	
Number/cell	5
Туре	Flat Pasted
Material of grid	Lead-Calcium-Tin Alloy
Thickness	2.3mm









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 UXH50-12

Yuasa UXH Series VRLA Battery, 10 Years Design Life

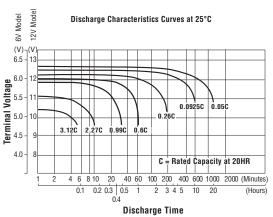
Physical Properties	
Separators	
Туре	Glass Mat
Is glass fibre included?	Yes
Thickness	1.5mm
Lid & Container Materials	
Lid Material, Colour	Acrylonitrile Butadiene Styrene ABS/Dark Grey
Container Material, Colour	Acrylonitrile Butadiene Styrene ABS/Dark Grey
Flame Retardant	No
Safety Vent Operational Pressure	20kPA
Flame Arrestor Filter Fitted	Yes
Dimensions:	
Overall Width	299mm ± 3
Depth	128mm ± 3
Height	190mm ± 3
Overall Height	217mm ± 3
Battery Weight (kg) Total (wet)	21kg

Electrical Properties			
Self Discharge Rate @ 25°C	<3% per mont	h	
Internal Resistance (mOHMS)	$6.0 \text{m}\Omega$		
Normal Charge (Amperes)	5A		
Max. Charge (Amperes)	10A		
Max. Sustained Current without damage (discharging 5 sec)	230A		
Volts End of Charge	2.275 Vpc		
	20°C	25°C	30°C
Float Voltage (Vpc) pure floating applications	2.290 Vpc	2.275 Vpc	2.260 Vpc
Float Current (mA)	~50mA	~50mA	~50mA
Initial Short circuit current (A)	~2275A		
Efficiency at 10 hour rate (%):			
Ampere-Hour	>90%		
Watt-Hour	>78%		

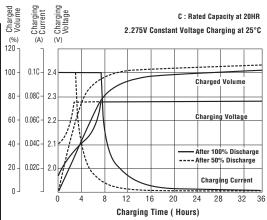
Torque Setting	
Terminal Torque Setting	3.9 - 5.4 N.m.

Compliant Standard	
Battery Standard	JIS C8704-2: 1999

■ Discharge Characteristics



■ Charging Characteristics





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.