

Product Specification

Product No. 316005

CENTURY GB SERIES BATTERIES

For applications with high requirements of operational safety and autonomy times of 1 to more than 100 hours, the GB Series is the right choice. The GB Series Batteries can be used for solar energy storage and for stand-by-power sources in telecommunications, power generation and other power systems.

- ✓ >20 years long life
- ✓ Maintenance Free
- OPzV design and manufactured in Germany



GENERAL		
Nominal Voltage	2 V	
Design life	20 years at 20°C floating > 2800 cycles @ 50% DOD at 20°C	
Nominal Capacity	620 Ah (10 Hr rate to 1.8 VPC @ 25°C)	
Actual Capacity at 25°C	1 hour rate to 1.70 V 3 hour rate to 1.70 V 10 hour rate to 1.80 V 24 hour rate to 1.80 V 48 hour rate to 1.80 V 100 hour rate to 1.80 V 120 hour rate to 1.80V	350.0 Ah 489.0 Ah 620.0 Ah 715.2 Ah 758.4 Ah 793.0 Ah 801.6 Ah

PHYSICAL PROPERTIES		
SEPARATOR		
Туре	Microporous Separator	
CONTAINER & COVER MATERIALS		
LID Material, Colour	High impact, Acrylonitrile Butadiene Styrene ABS/ Grey	
Container Material, Colour	High impact, Acrylonitrile Butadiene Styrene ABS/ Grey	
Flame Retardant	No - UL94-HB, Optional UL94-V0	
Safety Vent Operational Pressure	12 KPA	
DIMENSIONS		
Width	208.0 mm	
Length	168.0 mm	
Height	535.0 mm	
Overall Weight	42.4 kg	

ELECTROLYTE

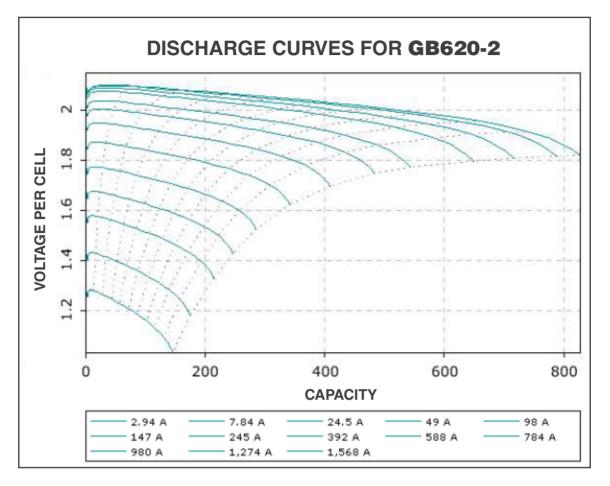
Fully charge density at 25°C	1.240
Density Range	1.230-1.250
Gelled/Absorbed	Gelled
Mounting Orientation	Vertical/Horizontal

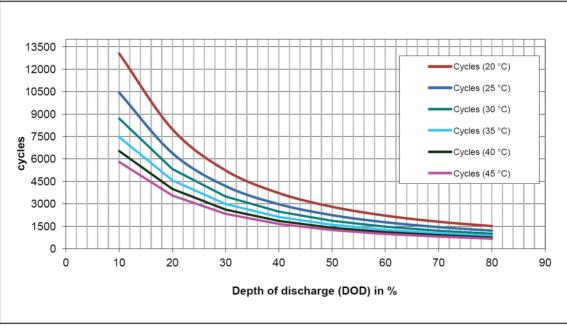
PLATES	
POSITIVE PLATES	
Number/cell	7
Туре	Tubular-plate
Material of grid	PbCaSn-alloy
NEGATIVE PLATES	
Number/cell	8
Туре	Grid-plate
Type Material of grid	PbCaSn-alloy

ELECTRICAL PROPERTIES		
Self Discharge Rate @ 25°C	< 2% / mth	
Minimal Charge (Amperes)	62.0 A	
Maximum Charge (Amperes)	124.0 A	
Maximum Sustained Current (Without damage discharging at 10min, 1.6VPC)	767 A	
Internal Resistance (mOHMS)	0.52 mΩ	
Float (10°C to 45°C monthly average)	2.25 VPC ± 1%	
Cyclic	2.30 - 2.40 VPC	
Temperature Compensation	Below 10°C -3mV/deg/cell	
Float Current (mA)	124.0 to 186.0	
Initial Short circuit current (A)	4120	
EFFICIENCY AT 10 HOUR RATE (%)		
Ampere-Hour	> 95%	
Watt-Hour	> 85%	
Fastener	M10 brass insertion	
TORQUE SETTING		
Terminal Torque Setting	22 ±1 Nm	
COMPLIANT STANDARD		
Manufacturing Standard	IEC 60869-21, 22, IEC 61427, EN 50272-2	

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CenturyYuasa

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.

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