

### CENTURY PSX SERIES BATTERIES

The PSX range are especially designed for heavy load discharge applications with a 5 year design life in float applications. By using strong grids and specially designed active material the PSX series offers stable performance during high current discharge requirements.

The PSX range is also backed with the confidence of a great warranty cover.

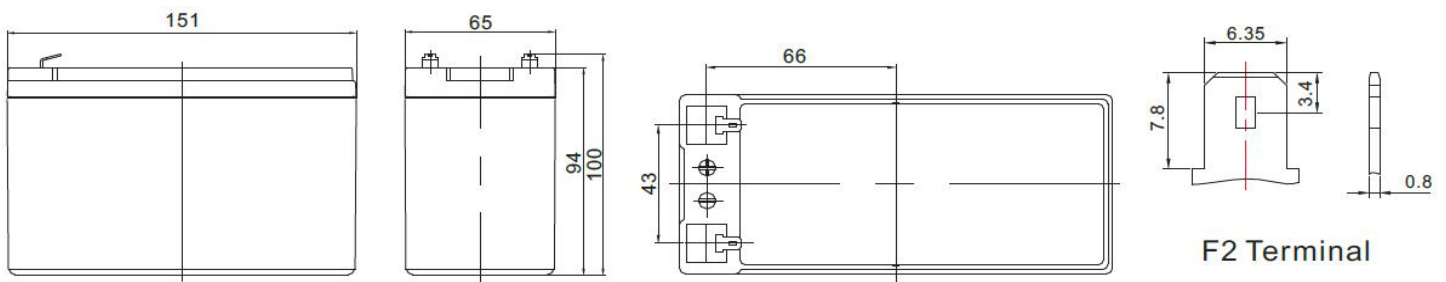
- ✓ Design life 5 years
- ✓ 30% more power than standard range
- ✓ Maintenance free

GENERAL							
Application	Float						
Design life	5 years						
Nominal Watts per Cell (wpc)	36 wpc @ 15 min rate to 1.67 VPC at 25°C						
Actual wpc at 25°C	<table border="1"> <tr> <td>10 min rate to 1.6V</td> <td>48.78</td> </tr> <tr> <td>15 min rate to 1.6V</td> <td>37.94</td> </tr> <tr> <td>30 min rate to 1.6V</td> <td>20.60</td> </tr> </table>	10 min rate to 1.6V	48.78	15 min rate to 1.6V	37.94	30 min rate to 1.6V	20.60
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ELECTROLYTE	
Fully charge density at 25°C	1.335
Density Range	1.325-1.345
Gelled/Absorbed	Absorbed
Mounting Orientation	Vertical

PHYSICAL PROPERTIES	
SEPARATOR	
Type	Glass Mat
Is glass fiber included?	Yes
Thickness	1.0 mm
CONTAINER & COVER MATERIALS	
LID Material, Colour	Acrylonitrile Butadiene Styrene ABS/Black
Container Material, Colour	Acrylonitrile Butadiene Styrene ABS/Black
Flame Retardant	No - UL94-HB, Optional UL94-V0
Safety Vent Operational Pressure	20 KPA
DIMENSIONS	
Width	65.0 mm
Length	151.0 mm
Height	94.0 mm
Overall Height	100.0 mm
Battery Weight(kg)	2.6 kg

ELECTRICAL PROPERTIES		
Self Discharge Rate @ 25°C	<3% / mth	
Normal Charge (Amperes)	0.9 A	
Maximum Charge (Amperes)	2.7 A	
Maximum Sustained Current (Without damage discharging 5 Sec)	90 A	
Internal Resistance (mOHMS)	18.0 mΩ	
Float Application	13.7-13.9V per 12V Battery @ 25°C	
Cyclic Application	14.6-14.8 V	
	20°C	25°C
Float Voltage	2.305VPC	2.291VPC
Float Current (mA)	9.0mA	9.0mA
Initial Short circuit current (A)	450A	
EFFICIENCY AT 10 HOUR RATE (%)		
Ampere-Hour	>90%	
Watt-Hour	>80%	
Fastener	F2	
COMPLIANT STANDARD		
Manufacturing Standard	IEC 60896-21:2004, IEC 60896-22:2004	



PLATES			
POSITIVE PLATES		NEGATIVE PLATES	
Number/cell	4	Number/cell	5
Type	Flat Pasted	Type	Flat Pasted
Material of grid	Lead-Calcium-Tin Alloy	Type Material of grid	Lead-Calcium-Tin Alloy
Thickness	2.9 mm	Thickness	1.75 mm

CenturyYuasa 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.

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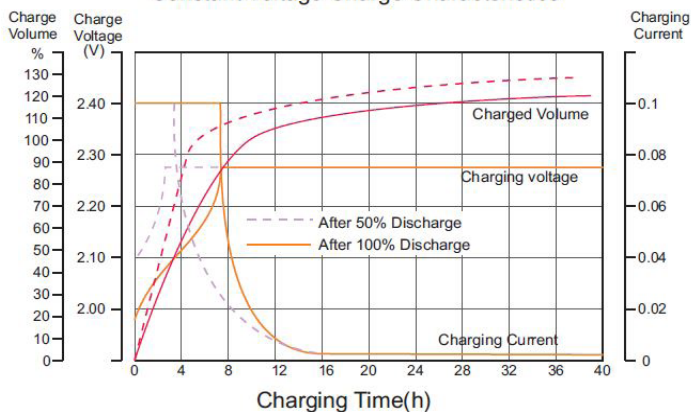
CONSTANT CURRENT DISCHARGE CHARACTERISTICS: A (25°C)									
FINAL VOLTAGE / TIME	3 MIN	5 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
1.60V	41.37	35.97	29.91	26.39	20.40	16.51	11.73	6.686	4.873
1.67V	38.28	33.29	28.05	24.76	19.33	15.40	11.18	6.372	4.639
1.70V	36.69	31.90	27.07	23.86	18.74	14.81	10.86	6.189	4.499
1.75V	34.65	30.13	25.71	22.41	17.86	14.41	10.56	6.087	6.087
4.399	32.59	28.34	24.36	20.94	16.97	13.98	10.23	5.967	4.292
1.85V	30.41	26.45	22.91	19.42	16.00	13.49	9.854	5.824	4.163

CONSTANT POWER DISCHARGE CHARACTERISTICS: WATTS PER CELL (25°C)									
FINAL VOLTAGE / TIME	3 MIN	5 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
1.60V	74.92	65.15	54.96	48.78	37.94	30.35	20.60	12.37	9.046
1.67V	70.00	60.87	52.05	46.22	36.31	28.58	20.79	11.90	8.696
1.70V	67.89	59.03	20.83	45.07	35.61	27.82	20.44	11.69	8.534
1.75V	64.93	56.46	48.90	42.86	34.37	27.40	20.12	11.65	8.449
1.80V	61.95	53.87	46.99	40.64	33.12	26.97	19.78	11.58	8.364
1.85V	58.98	51.29	45.08	38.44	31.87	26.56	19.44	11.53	8.278

All mentioned values are average values (Tolerance  $\pm 2\%$ ).

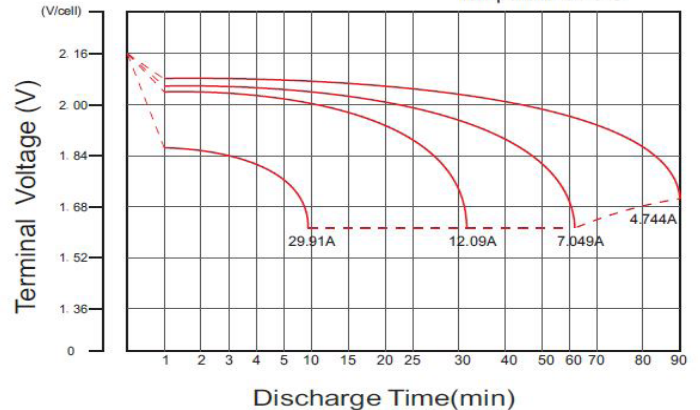
#### CHARGE CHARACTERISTIC CURVE FOR STANDBY USE

##### Constant Voltage Charge Characteristics



#### DISCHARGE CHARACTERISTIC CURVE

##### Temperature: 25°C



# 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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