



PRODUCT SPECIFICATION

PRODUCT NO: 14935

PRODUCT SPECIFICATIONS: *UPZ12-100 Century UPZ Series VRLA Battery, 10 Year Design Life.*

<i>Battery</i>	<i>UPZ12-100</i>
<i>Type of Application</i>	<i>Floating/Standby</i>
<i>Design Life (Years)</i>	<i>10</i>
<i>Nominal Capacity</i>	<i>100Ah</i>
<i>Actual Capacity at 25°C</i>	
- 1 hour rate to 1.70V	<i>58Ah</i>
- 3 hour rate to 1.80V	<i>75Ah</i>
- 10 hour rate to 1.80V	<i>93Ah</i>
- 20 hour rate to 1.80V	<i>100.0Ah</i>

<i>Electrolyte</i>	
- Fully charge density at 25°C	<i>1.300</i>
- Density range	<i>1.290-1.310</i>
- Gelled/Absorbed	<i>Absorbed</i>
- Mounting orientation (horizontal/vertical)	<i>Both</i>

Plates

Positive Plates:

- Number/cell	<i>7</i>
- Type	<i>Flat Pasted</i>
- Grid Material	<i>Lead-Calcium Tin Alloy</i>
- Thickness	<i>3.8mm</i>

Negative Plates:

- Number/cell	<i>8</i>
- Type	<i>Flat Pasted</i>
- Grid Material	<i>Lead-Calcium Tin Alloy</i>
- Thickness	<i>2.1mm</i>

Separators

- Type	<i>Glass-Mat</i>
- Is glass fibre included?	<i>Yes</i>
- Thickness	<i>2mm</i>

TOTAL COMMITMENT TO DC POWER



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Container & Cover Materials

- Body - Material, Colour	ABS - Grey
- Cover - Material, Colour	ABS - Grey
- Is it flame retardant?	No
- What is the operational pressure of the safety vent?	20KPA

Dimensions

- Overall width	407mm \pm 3mm
- Depth	173mm \pm 3mm
- Overall height	240mm \pm 3mm

Battery Weight

40Kg \pm 2Kg

Self discharge rate at 25°C

<3% per month

Internal resistance (mOHMS)

3.5

Normal charging rate (A)

10A

Maximum permissible charge rate (A)

20A

Maximum sustained current without damage (discharging)

370A~1 min

Volts per cell at the end of charge at normal rate

2.275 vpc

Float voltage at:-

- 20°C	2.290vpc
- 25°C	2.275vpc
- 30°C	2.260vpc

Float current at:-

- 20°C	<100mA
- 25°C	<100mA
- 30°C	<100mA

Initial Short circuit current (A)

3700A

Efficiency at 10 hour rate (%)

- Ampere-Hour	>90%
- Watt-Hour	>80%

TOTAL COMMITMENT TO DC POWER