

HZY6-10 Valve Regulated Lead Acid battery.
5 year design life for stand by power applications.
6 Volts 10 Ah (C20)

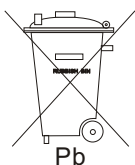
Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Fully tank formed plates
- Analytical Grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2.5 psi
- Multi-position usage
- ABS Case and cover - VO on request
- Low self discharge
- FAA and IATA approved as non-hazardous
- Built to comply with IEC 896-2, DIN 43534, BS 6290 Pt4, Eurobat.



Specifications

| | |
|-----------------------|--|
| Nominal Voltage | 6 Volts |
| Nominal Capacity | 10Ah (C20 @ 20 °C) |
| Design Life | 5 Years |
| Operating Temperature | -20 °C to 50 °C |
| Grid alloy | Calcium / Tin lead alloy |
| Plates | Flat Pasted |
| Separator | Microporous polymer |
| Active material | Very high purity lead |
| Case and cover | ABS (VO on request) |
| Charge Voltage | Float 2.25 - 2.30 VPC @25 °C Cycling 2.35 @25 °C Max. 2.4 VPC Max ripple 0.05C (A) |
| Electrolyte | Gelled Sulphuric acid Analytical grade purity |
| Venting Valve | EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa) |
| Terminal | Epoxy sealed by extended mechanical paths |



Haze Battery Company keenly encourages environmental awareness; PLEASE follow guidelines for the recycling /disposal of lead.

Website: www.hazebattery.com
E mail : sales@hazebattery.com

Sealed Lead Acid 6 Volt Bloc GEL Range
PRODUCT SHEET HZY6-10

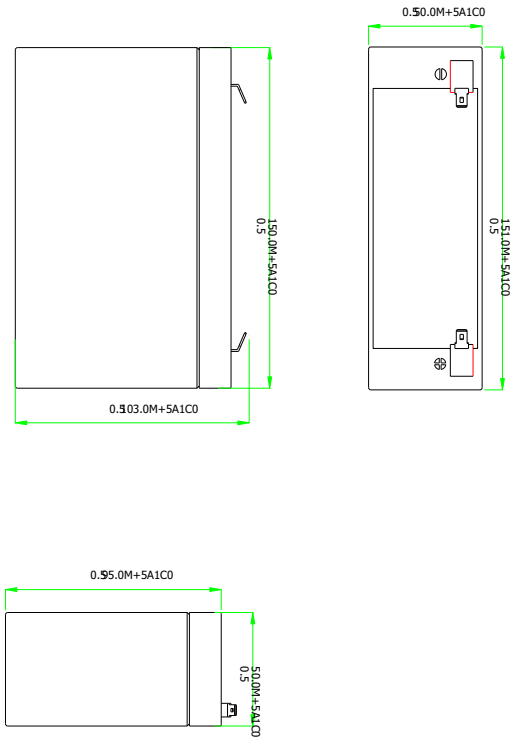
**6V
Gel**

Specifications

| | | | |
|------------------|----------------------------------|-------------------|------------------------------|
| Nominal Voltage | | 6V | |
| Nominal Capacity | | 10 Ah | |
| Dimensions | Total Height (Inc. terminals) | 96 mm (101) mm | 3.78 inches (3.98) inches |
| | Length | 151 mm | 5.94 inches |
| | Width | 50 mm | 1.97 inches |
| | Weight | 1.9 Kg | 4.20 lbs |

Characteristics

| | | |
|--|---------------------------------|----------------------------|
| Capacity 20 °C (68 °F) To 1.7 volts | 20 hour rate | 10.4 Ah |
| | 10 hour rate | 8.8 Ah |
| | 5 hour rate | 7.9 Ah |
| | 1 hour rate | 6.0 Ah |
| | 15 min rate | 4.0 Ah |
| | Internal Resistance | 10 mOhms |
| Impedance | | S |
| Capacity correction for Temperature Variations (C20) | 40 °C (104 °F) | 102% |
| | 20 °C (68 °F) | 100% |
| | 0 °C (32 °F) | 85% |
| | -15 °C (5 °F) | 65% |
| Self-Discharge 20 °C (68 °F) | Capacity after 1 months storage | 98% |
| | Capacity after 3 months storage | 94% |
| | Capacity after 6 months storage | 86% |
| Short Circuit Current 20 °C (68 °F) | 325 | |
| Terminal | Standard | Faston T1 |
| | Optional | Faston T2 |
| Charging (Constant Voltage) | Cyclic | 2.35 - 2.40 VPC (20-25 °C) |
| | Float | 2.27 - 2.30 VPC (15-25 °C) |



Constant Power Discharge - Watts per Cell @20 °C

| End V per Cell | 5M | 10M | 15M | 20M | 25M | 30M | 35M | 40M | 45M | 60M | 90M | 2 hr | 3 hr | 4 hr |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1.85 | 38.3 | 28.9 | 23.1 | 20.0 | 17.3 | 15.2 | 13.6 | 12.4 | 11.4 | 9.27 | 7.04 | 5.60 | 3.95 | 3.07 |
| 1.80 | 44.2 | 34.2 | 27.6 | 23.9 | 20.9 | 18.4 | 16.5 | 15.1 | 13.9 | 11.4 | 8.63 | 6.88 | 4.84 | 3.75 |
| 1.75 | 47.1 | 35.5 | 28.4 | 24.5 | 21.3 | 18.7 | 16.8 | 15.3 | 14.1 | 11.4 | 8.64 | 6.88 | 4.84 | 3.75 |
| 1.70 | 50.1 | 36.9 | 29.2 | 25.1 | 21.7 | 19.0 | 17.0 | 15.5 | 14.2 | 11.4 | 8.65 | 6.88 | 4.83 | 3.75 |
| 1.65 | 51.6 | 37.5 | 29.5 | 25.2 | 21.7 | 19.0 | 17.0 | 15.5 | 14.2 | 11.4 | 8.64 | - | - | - |
| 1.60 | 54.6 | 38.9 | 30.1 | 25.6 | 22.0 | 19.1 | 17.0 | 15.5 | 14.3 | 11.4 | 8.64 | - | - | - |

Constant Amps Discharge - Amps @20 °C

| End V per Cell | 5M | 10M | 15M | 20M | 25M | 30M | 35M | 40M | 45M | 60M | 90M | 2 hr | 3 hr | 4 hr | 5 hr | 8 hr | 10 hr | 12 hr | 20 hr |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 1.85 | 20.5 | 15.5 | 12.3 | 10.6 | 9.19 | 8.04 | 7.17 | 6.52 | 6.00 | 4.83 | 3.65 | 2.89 | 2.02 | 1.56 | 1.29 | 0.86 | 0.71 | 0.62 | 0.43 |
| 1.80 | 24.1 | 18.6 | 14.9 | 12.9 | 11.2 | 9.82 | 8.77 | 7.98 | 7.35 | 5.97 | 4.50 | 3.57 | 2.49 | 1.92 | 1.58 | 1.04 | 0.86 | 0.74 | 0.49 |
| 1.75 | 26.0 | 19.5 | 15.5 | 13.3 | 11.5 | 10.0 | 8.95 | 8.13 | 7.47 | 6.00 | 4.52 | 3.58 | 2.50 | 1.93 | 1.58 | 1.05 | 0.87 | 0.75 | 0.51 |
| 1.70 | 27.9 | 20.4 | 16.1 | 13.7 | 11.8 | 10.3 | 9.12 | 8.27 | 7.58 | 6.03 | 4.54 | 3.58 | 2.50 | 1.93 | 1.59 | 1.06 | 0.88 | 0.76 | 0.52 |
| 1.65 | 28.8 | 20.8 | 16.3 | 13.8 | 11.8 | 10.3 | 9.15 | 8.29 | 7.60 | 6.04 | 4.54 | - | - | - | - | - | - | - | - |
| 1.60 | 30.7 | 21.7 | 16.7 | 14.1 | 12 | 10.4 | 9.20 | 8.32 | 7.63 | 6.05 | 4.55 | - | - | - | - | - | - | - | - |

Ampere Hour @20 °C

| End V per Cell | 2 hr | 3 hr | 4 hr | 5 hr | 8 hr | 10 hr | 12 hr | 20 hr |
|----------------|------|------|------|------|------|-------|-------|-------|
| 1.85 | 5.78 | 6.07 | 6.26 | 6.43 | 6.89 | 7.14 | 7.44 | 8.65 |
| 1.80 | 7.14 | 7.48 | 7.69 | 7.88 | 8.33 | 8.56 | 8.84 | 9.81 |
| 1.75 | 7.15 | 7.49 | 7.71 | 7.91 | 8.40 | 8.67 | 8.98 | 10.1 |
| 1.70 | 7.17 | 7.50 | 7.72 | 7.94 | 8.47 | 8.79 | 9.13 | 10.4 |



UL Recognised
Component
MH28512

