



VZV-BT-LA-6V-12A-Y-T

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and thus immobilized.

Should the battery be accidentally overcharged producing hydrogen and oxygen, Special one-way valves allow the gases to escape thus avoiding excessive pressure. build-up Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Feature

- Absorbent Glass Mat(AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

SPECIFICATION

Nominal voltage 6V

Number of cell 3

Length(mm/inch) 151/5.95

Width(mm/inch) 50/1.97

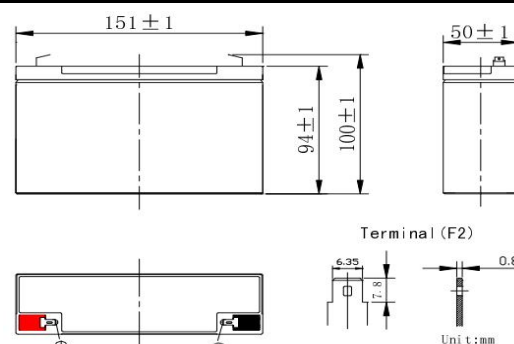
Height(mm/inch) 94/3.70

Total Height(mm/inch) 100/3.93

Approx. Weight(kg/lbs) 1.68/3.7

Performance Characteristics

Capacity 77° F(25°C)	20 hour rate (0.6A、5.4V)	12.0Ah
	10 hour rate (1.5A、5.4V)	15.0Ah
	5 hour rate (2.55A、5.25V)	12.7Ah
	1 hour rate (9A、4.8V)	9.0Ah
Internal Resistance	Full charged Battery 77° F(25°C): 12mΩ	
Capacity affected by Temperature (10 hour rate)	104° F(40°C)	102%
	77° F(25°C)	100%
	32° F(10°C)	85%
	5° F(-15°C)	65%
Self-Discharge 68° F(20°C)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12 month storage	60%
Max. discharge current 77°F(25°C): 130A(5S)		
Charge (Constant Voltage)	Float: 6.8~6.9 V/77° F/(25°C)	
	Cycle: 7.2~7.4 V/77° F/(25°C) Max. Current: 3.6A	



Discharge Constant Current (Amperes at 77° F 25°C)

End Point Volts/Cell	5min	10min	15min	30min	1 h	2 h	3h	4h	5 h	6 h	8h	10h	20 h
1.60V	42.36	25.80	24.02	13.20	7.13	4.68	3.52	2.81	2.02	1.96	1.52	1.148	0.672
1.65V	40.80	25.68	23.65	12.84	7.04	4.56	3.41	2.72	1.98	1.92	1.51	1.145	0.660
1.70V	40.20	25.44	23.48	12.60	7.01	4.38	3.28	2.64	1.96	1.87	1.49	1.142	0.660
1.75 V	40.32	25.20	21.95	12.24	6.96	4.26	3.18	2.57	1.93	1.84	1.48	1.140	0.612
1.80V	40.08	24.96	21.85	12.00	6.72	4.06	3.12	2.51	1.90	1.79	1.44	1.109	0.607
1.85V	39.60	24.60	21.25	11.28	6.60	3.84	2.90	2.40	1.86	1.67	1.37	1.080	0.600

Discharge Constant Power (Watts 77° F 25°C)

End Point Volts/Cell	5min	10min	15min	30min	1 h	2 h	3h	4h	5 h	6 h	8h	10h	20 h
1.60V	62.06	48.61	40.58	24.02	13.37	8.94	6.47	5.00	4.01	3.54	3.03	2.515	1.337
1.65V	62.02	48.56	40.52	23.95	13.49	8.86	6.37	4.96	3.94	3.49	2.98	2.473	1.313
1.70V	61.99	48.51	40.46	23.88	13.60	8.80	6.29	4.86	3.88	3.41	2.93	2.445	1.247
1.75V	61.85	48.46	40.34	23.75	13.64	8.69	6.11	4.78	3.79	3.30	2.91	2.360	1.206
1.80V	61.80	48.02	40.10	23.58	13.10	8.44	5.99	4.61	3.72	3.18	2.85	2.229	1.135
1.85V	61.58	47.23	39.10	23.24	12.67	8.26	5.58	4.37	3.61	2.94	2.69	2.095	1.074

