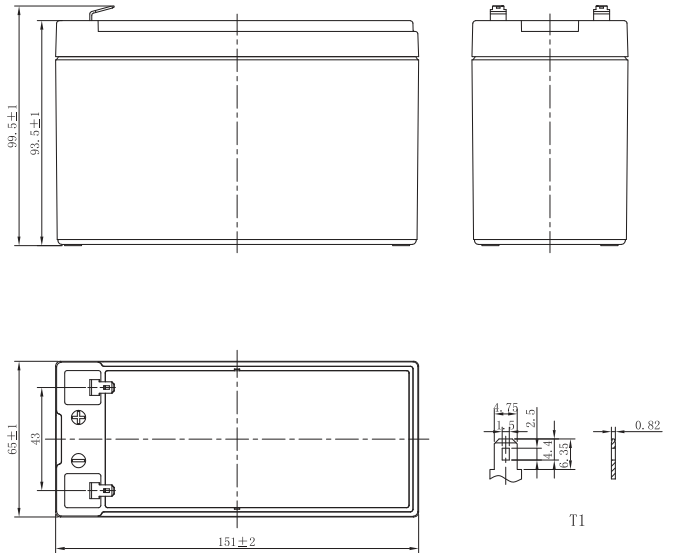




RZE6-7L1 - (12v - 7.0Ah) Lead-Acid Battery

CHARACTERISTICS

Item	Specifications
Rated Voltage	12V
Nominal Rate (25°C)	W_{15} 1.67V/cell 26W/cell
Nominal Capacity (25°C)	C_{10} 1.80V/cell 6.51Ah
Dimension	Length 151mm (5.94inches)
	Width 65mm (2.56inches)
	Container Height 93.5mm (3.68inches)
	Total Height 99.5mm (3.92inches)
Approx Weight	2.08kg (4.59lbs)
Terminal	T1/T2
Container Material	ABS (UL94 HB or V-0 optional)
Short-circuit current	182.3A
Internal Resistance (25°C)	Approx 29 mΩ (Fully charged)
Operating Temp. Range	Discharge -20~55°C (-4~131°F)
	Charge -20~40°C (-4~104°F)
	Storage -15~50°C (5~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Max.Charging Current (25°C)	0.25C
Charge voltage (25°C)	Float Charge Equalization Charge
	2.25-2.30V/cell 2.30-2.40V/cell
Temp. Coefficient	-3mV/cell/°C -4mV/cell/°C
	40°C (104°F) 106%
Effect of temp. to Capacity	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	<3% per month at 25°C (77°F)



DISCHARGE TABLE

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	17.2	11.6	9.92	7.95	5.90	4.37	3.70	2.77	2.21	1.66	1.31	1.09	0.745	0.610
1.80V/cell	20.0	13.7	11.5	9.16	6.67	4.89	4.09	3.03	2.41	1.79	1.41	1.18	0.798	0.651
1.75V/cell	21.8	14.7	12.2	9.61	6.97	5.09	4.25	3.13	2.48	1.84	1.45	1.20	0.812	0.661
1.70V/cell	23.6	15.7	12.9	10.1	7.28	5.28	4.40	3.23	2.56	1.89	1.49	1.23	0.827	0.671
1.67V/cell	24.7	16.3	13.3	10.4	7.46	5.40	4.49	3.29	2.60	1.92	1.51	1.25	0.836	0.677
1.60V/cell	27.3	17.6	14.2	11.0	7.87	5.67	4.71	3.44	2.71	1.99	1.56	1.28	0.855	0.692

Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	37.1	24.6	20.5	15.3	11.4	8.48	7.19	5.39	4.33	3.25	2.58	2.15	1.47	1.21
1.80V/cell	41.6	28.3	23.4	17.5	12.8	9.41	7.91	5.87	4.68	3.50	2.77	2.31	1.57	1.29
1.75V/cell	44.7	29.9	24.4	18.2	13.2	9.72	8.14	6.03	4.80	3.58	2.83	2.36	1.60	1.30
1.70V/cell	47.3	31.4	25.5	18.9	13.7	10.0	8.38	6.19	4.93	3.67	2.89	2.40	1.62	1.32
1.67V/cell	49.0	32.3	26.0	19.3	14.0	10.2	8.51	6.28	4.99	3.71	2.92	2.43	1.64	1.33
1.60V/cell	49.7	34.4	27.4	20.3	14.6	10.6	8.85	6.51	5.16	3.83	3.00	2.49	1.67	1.36





APPLICATIONS

- UPS
- Hospitals and Testing Laboratories
- Emergency Power Supply
- Industrial Process Control Facilities
- Banks and Financial Markets
- Data and Network Operation Centers

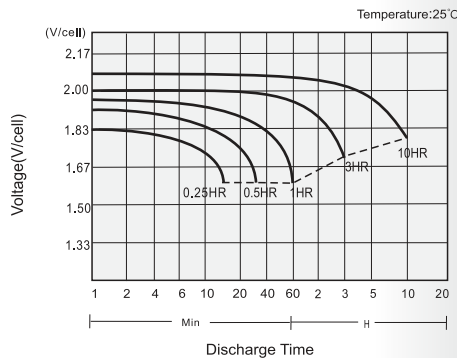
GENERAL FEATURES

- 6 years design life (25°C)
- Excellent high current performance
- optimised for short discharge time
- Advanced AGM technology for superior high-rate power
- Long Life Alloy - minimizing grid growth, reducing gassing, and extending battery life
- Epoxy-sealed posts eliminate leaks
- Optimal energy density - saves floor space

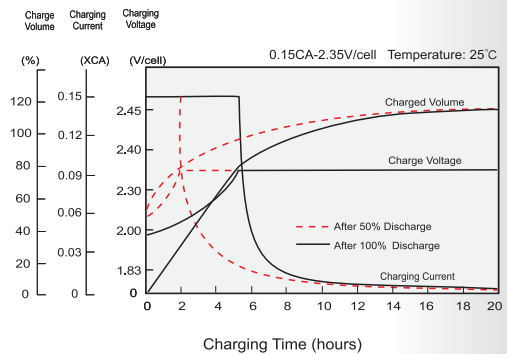
STANDARDS

- Compliance with IEC 60896 standards
- Classified as "General Purpose" according to Eurobat
- CE,UL Approved
- Manufactured in production facilities certified to IATF 16949, ISO 45001, ISO 9001 and ISO 14001

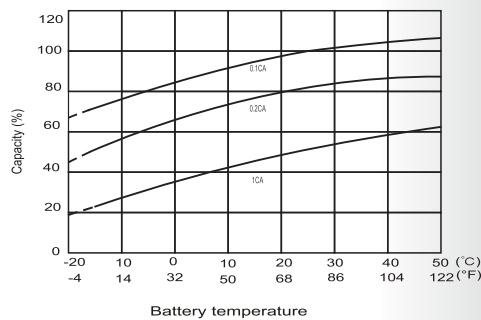
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

