

MAINTENANCE FREE, SEALED LEAD-ACID BATTERY
RATING: 12V. 7.8Ah

ZIRCONTM
The Smart Power Solution



ZIRCON

ZIRCON Valve Regulated

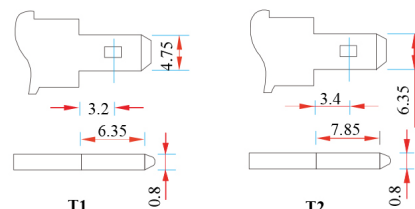
Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the field of UPS, Emergency Lighting System.

FEATURES

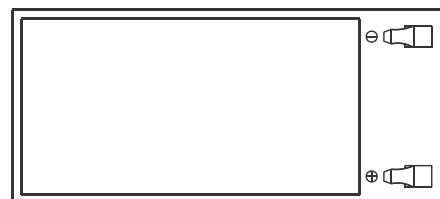
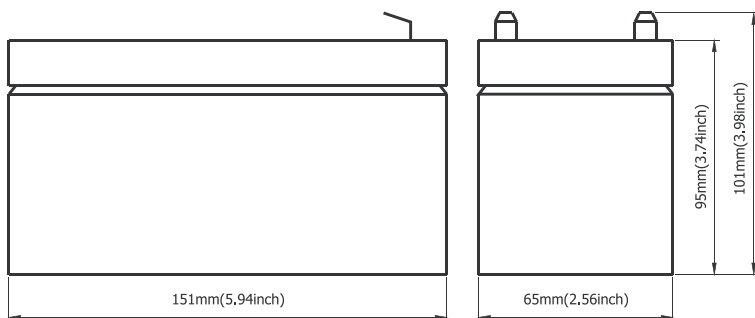
High quality and high reliability
Flexibility design for multiple install positions.
Exceptional deep discharge recovery performance.
Safety valve installation for explosion proof
Sealed and maintenance free operation.
Low self discharge characteristic.

CONSTRUCTION

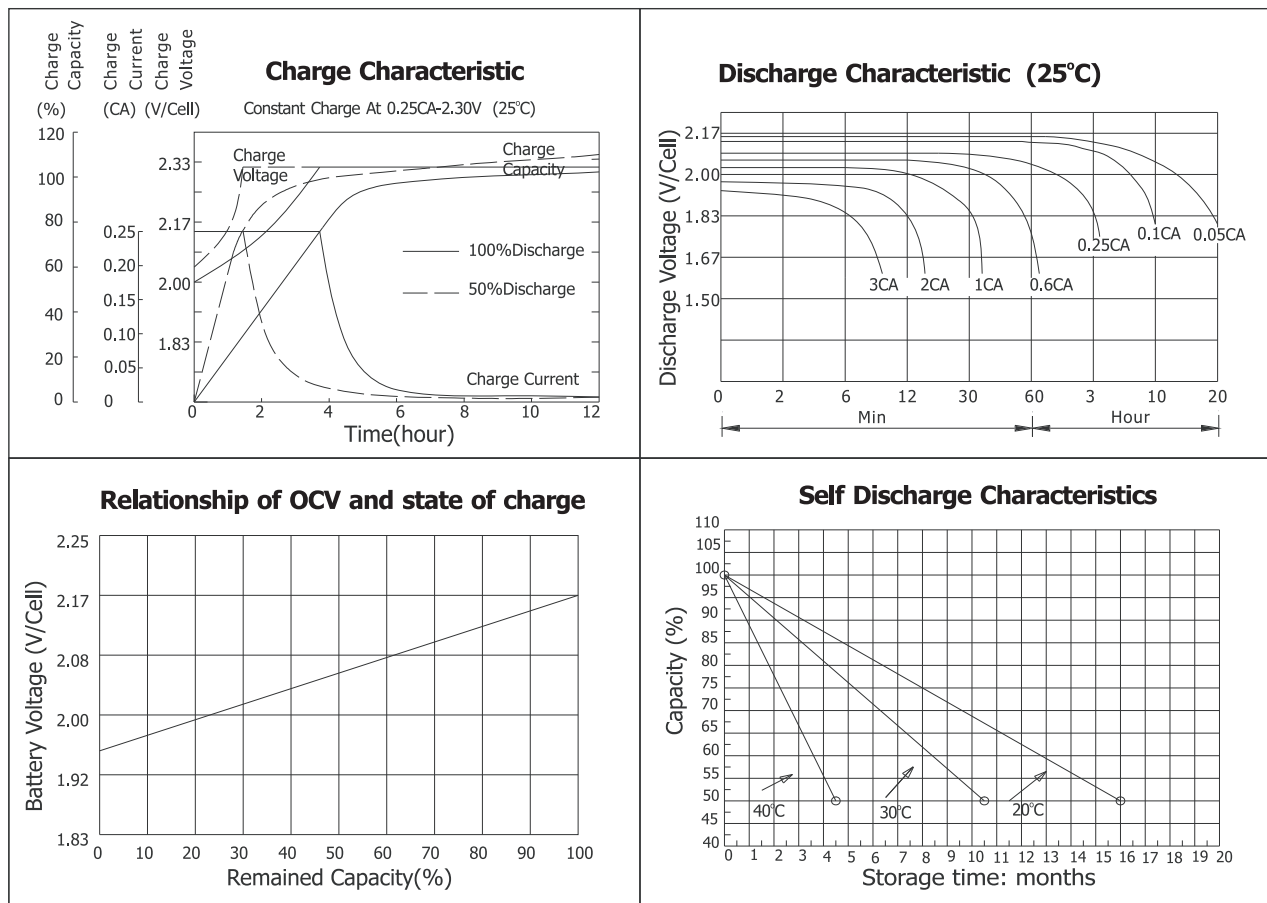
ComponentRaw material
PositiveLead dioxide
NegativeLead
ContainerABS
CoverABS
SealantEpoxy
Safety valveEPDR
TerminalCopper



Terminal Dimensions



Battery Model	ZC-12V 7.8AH			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.375A,1.80V)	10HR(0.68A,1.80V)	5HR(1.27A,1.75V)	1HR(4.90A,1.60V)
	7.5AH	6.80AH	6.35AH	4.90AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	65mm(2.56inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	2.55Kg (5.62 lbs)			
Internal Resistance	Full charged at 25°C: 0.02 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 2.25A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	29.3	18.2	13.8	8.39	4.90	2.34	1.36	0.70	0.42
1.67V	27.5	17.3	13.2	8.02	4.84	2.25	1.33	0.70	0.41
1.70V	25.2	16.7	12.9	7.29	4.69	2.10	1.30	0.69	0.40
1.75V	24.7	16.1	12.5	6.93	4.47	2.03	1.27	0.69	0.39
1.80V	22.1	15.4	11.4	6.42	4.19	1.95	1.20	0.68	0.38
1.85V	19.5	14.7	10.2	5.91	3.90	1.88	1.12	0.67	0.37

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	51.4	32.9	25.1	15.1	8.85	4.15	2.30	1.41	0.84
1.67V	49.6	32.1	24.8	14.8	8.80	4.02	2.29	1.40	0.81
1.70V	46.7	31.8	24.6	13.9	8.63	3.84	2.26	1.39	0.80
1.75V	47.0	31.7	24.4	13.4	8.48	3.75	2.24	1.37	0.78
1.80V	43.0	31.2	22.6	12.8	7.99	3.64	2.17	1.36	0.76
1.85V	39.0	29.6	20.5	12.0	7.52	3.53	2.10	1.34	0.73

