

MAINTENANCE FREE, SEALED LEAD-ACID BATTERY
RATING: 12V9Ah

ZIRCONTM
The Smart Power Solution



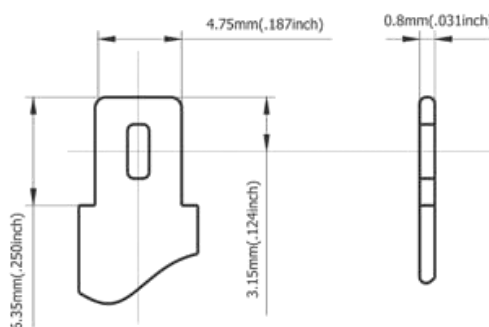
ZIRCON Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the field of UPS, Emergency Lighting System.

FEATURES

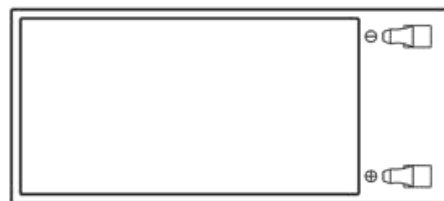
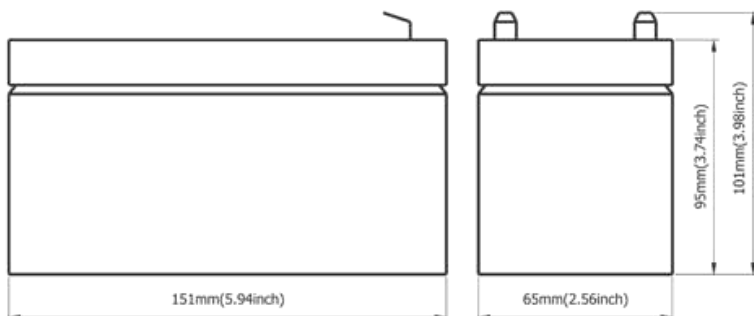
High quality and high reliability
Flexibility design for multiple install positions.
Exceptional deep discharge recovery performance.
Safety valve installation for explosion proof
Sealed and maintenance free operation.
Low self discharge characteristic.

CONSTRUCTION

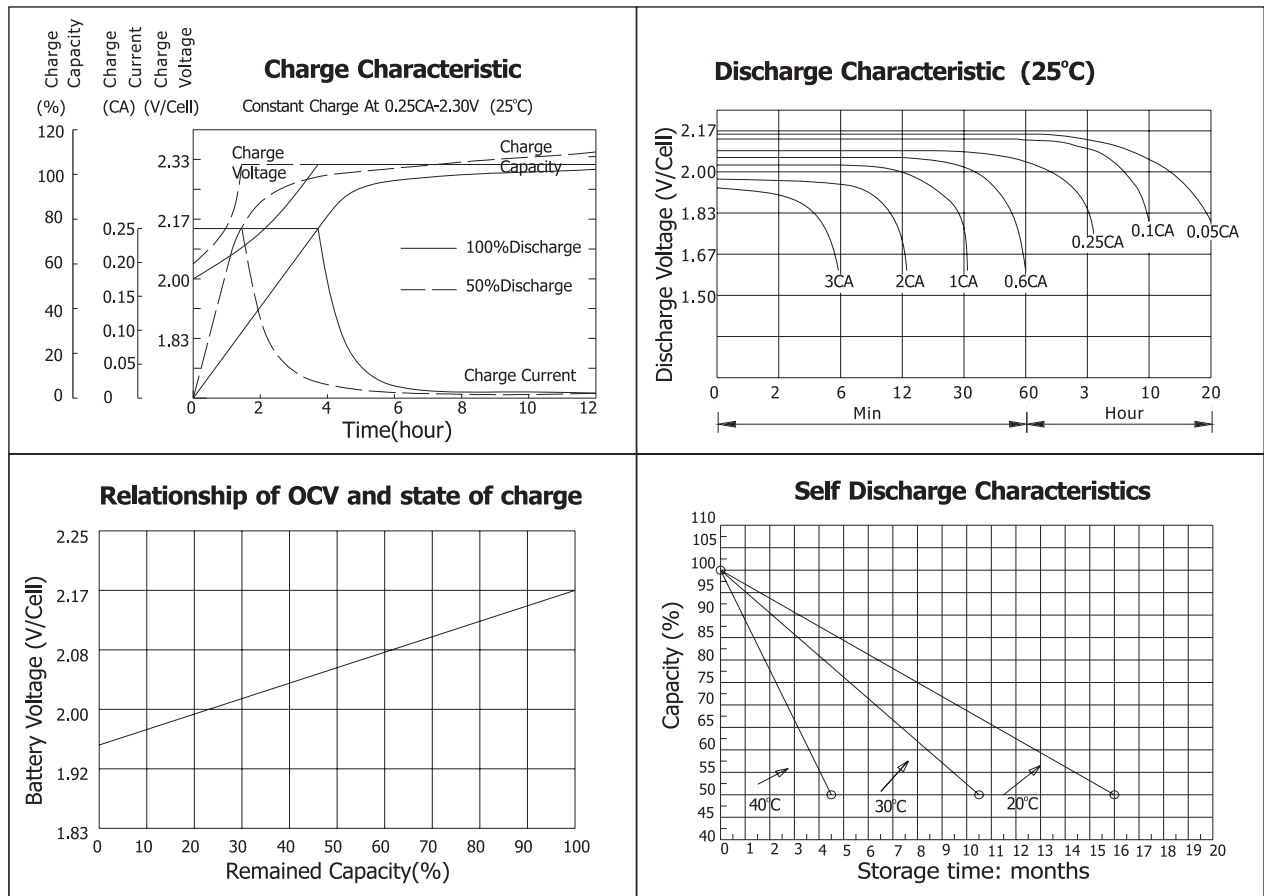
Component	Raw material	Cover	ABS
Positive	Lead dioxide	Sealant	Epoxy
Negative	Lead	Safety valve	EPDR
Container	ABS	Terminal	Copper



Terminal Dimensions



Battery Model	ZC-12V9Ah			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.45A,1.80V)	10HR(0.81A,1.80V)	5HR(1.53A,1.75V)	1HR(5.88A,1.60V)
	9AH	8.10AH	7.65AH	5.88AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	65mm(2.56inch)	111mm(4.37inch)	117mm(4.61inch)
Approx. Weight	2.8 Kg (6.17 lbs)			
Internal Resistance	Full charged at 25°C: 0.017 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: 2.7A		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	35.2	21.9	16.5	10.1	5.88	2.81	1.63	0.84	0.51
1.67V	33.0	20.8	15.9	9.63	5.81	2.70	1.60	0.84	0.49
1.70V	30.2	20.0	15.5	8.75	5.63	2.52	1.56	0.83	0.48
1.75V	29.6	19.4	15.0	8.31	5.37	2.44	1.53	0.82	0.47
1.80V	26.5	18.5	13.6	7.70	5.02	2.34	1.44	0.81	0.45
1.85V	23.4	17.6	12.3	7.09	4.68	2.26	1.35	0.80	0.44

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	61.7	39.5	30.1	18.1	10.6	4.98	2.76	1.69	1.01
1.67V	59.5	38.5	29.8	17.8	10.6	4.82	2.74	1.68	0.97
1.70V	56.0	38.1	29.5	16.6	10.4	4.61	2.71	1.67	0.96
1.75V	56.4	38.0	29.3	16.1	10.2	4.50	2.68	1.65	0.94
1.80V	51.6	37.4	27.1	15.4	9.6	4.37	2.60	1.63	0.91
1.85V	46.8	35.5	24.6	14.4	9.0	4.24	2.52	1.61	0.88

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