

MAINTENANCE FREE. SEALED LEAD-ACID BATTERY
RATING: 12V. 5.4Ah

ZIRCON®
The Smart Power Solution

ZIRCON

D-Power 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.

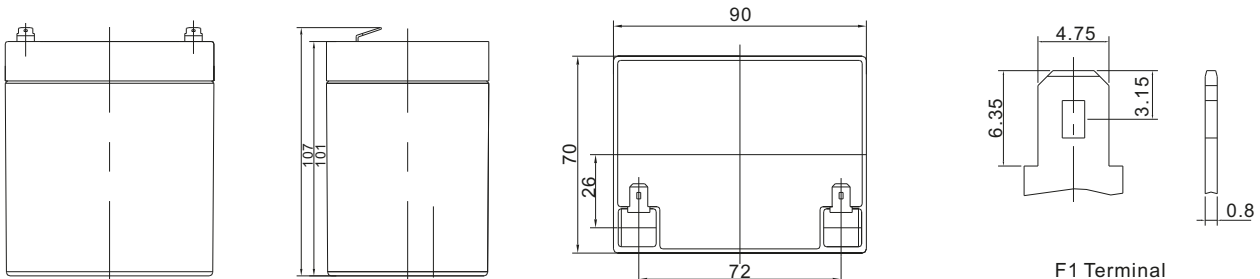


CONSTRUCTION

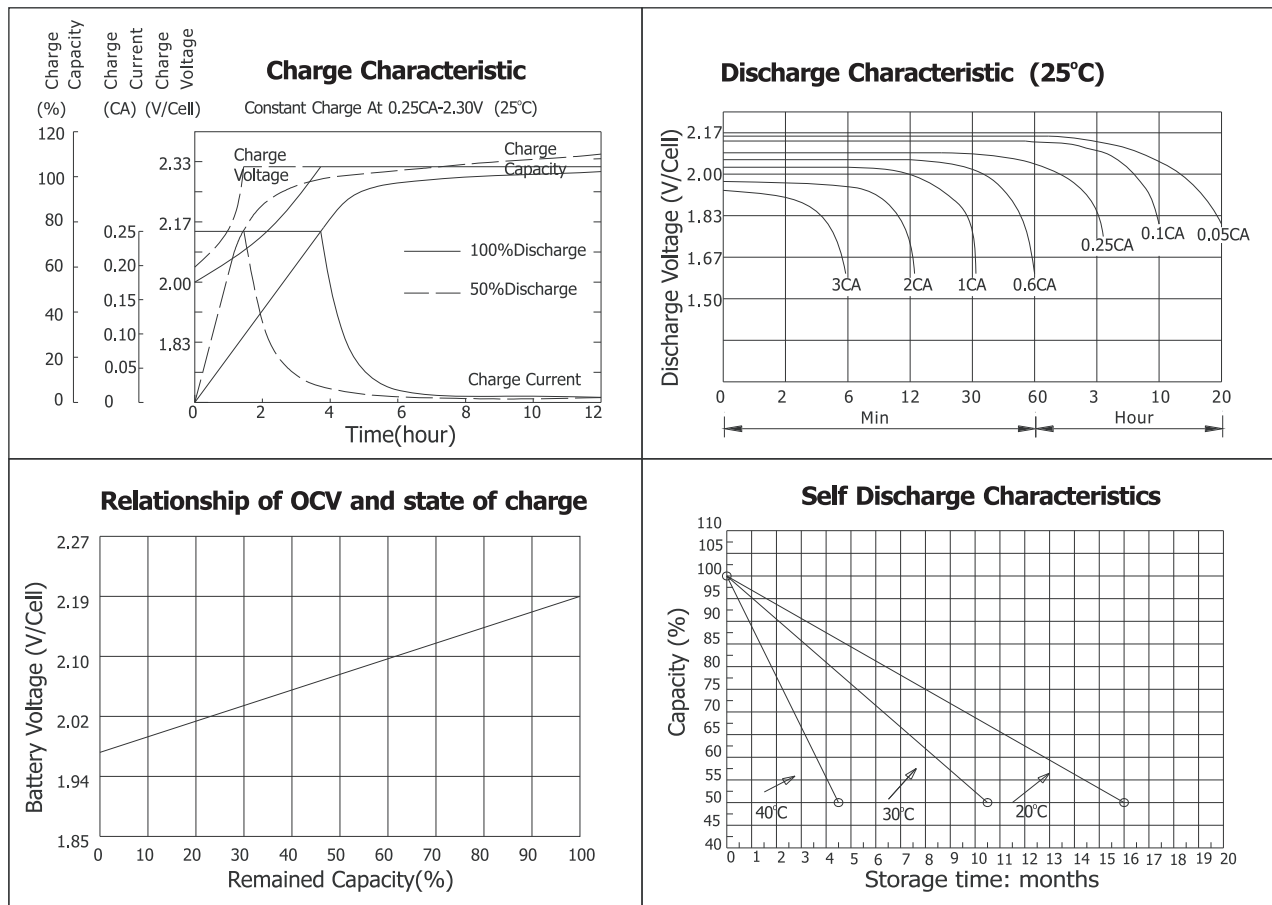
ComponentRaw material
 PositiveLead dioxide
 NegativeLead
 ContainerABS
 CoverABS
 SealantEpoxy
 Safety valveEPDR
 TerminalCopper

Length	90±1.5mm (3.54 inches)
Width	70±1.5mm (2.76 inches)
Height	101±1.5mm (3.98 inches)
Total Height	107±1.5mm (4.21 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm



Battery Model	ZC-12V 5.4AH			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.25A,1.80V)	10HR(0.45A,1.80V)	5HR(0.85A,1.75V)	1HR(3.27A,1.60V)
	5AH	4.5AH	4.25AH	3.27AH
Dimensions	Length	Width	Height	Total Height
	90mm(3.54inch)	70mm(2.76inch)	101mm(3.98inch)	107mm(4.21inch)
Approx. Weight	1.65Kg (3.64 lbs)			
Internal Resistance	Full charged at 25°C: 0.025 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: 1.5A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	19.5	12.2	9.17	5.59	3.27	1.56	0.91	0.46	0.28
1.67V	18.3	11.5	8.82	5.35	3.23	1.50	0.89	0.46	0.27
1.70V	16.8	11.1	8.61	4.86	3.13	1.40	0.87	0.46	0.27
1.75V	16.5	10.8	8.33	4.62	2.98	1.35	0.85	0.45	0.26
1.80V	14.7	10.3	7.57	4.28	2.79	1.30	0.80	0.45	0.25
1.85V	13.0	9.79	6.81	3.94	2.60	1.25	0.75	0.44	0.25

Constant power discharge ratings-watts at 25°C

F.V/Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	34.3	21.9	16.7	10.1	6.41	2.77	1.61	1.05	0.57
1.67V	33.1	21.4	16.5	9.86	6.37	2.68	1.60	1.04	0.54
1.70V	31.1	21.2	16.4	9.24	6.25	2.56	1.58	1.03	0.53
1.75V	31.3	21.1	16.3	8.96	6.15	2.50	1.57	1.02	0.52
1.80V	28.7	20.8	15.1	8.54	5.79	2.43	1.52	1.01	0.51
1.85V	26.0	19.7	13.7	8.00	5.45	2.35	1.47	0.99	0.49

ZIRCON POWER SOLUTION CO., LTD.

98/8 Ram Inthra 117 Minburi , Bangkok 10510

OPERATION TIME (Mon-Fri 08.30-17.30)

SERVICE CENTER | COMPLAINT CENTER

02-970-7575

061-672-8999

HOTLINE

ZIRCON 24 hrs.

082-703-7777