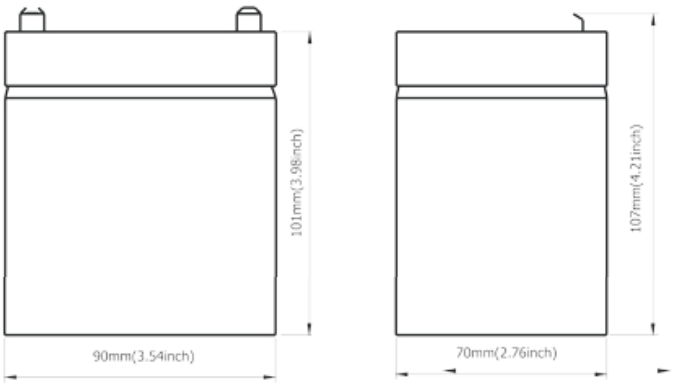
MAINTENANCE FREE, SEALED LEAD-ACID BATTERY
RATING: 12V. 5.4Ah

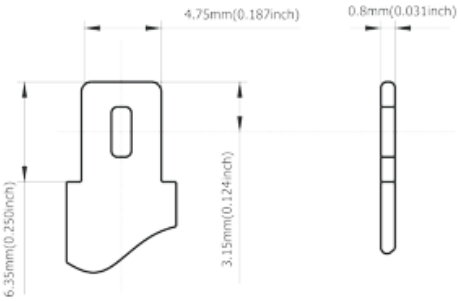
ZIRCON
D-Power Valve Regulated
Lead Acid batteries are designed with
AGM (Absorbent Glass Mat) technology
high performance plates and electrolyte
to gain extra power output for common
power backup system applications
widely used in the field of UPS,
Emergency Lighting System.

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.

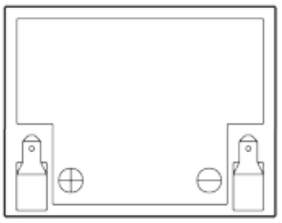
CONSTRUCTION

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

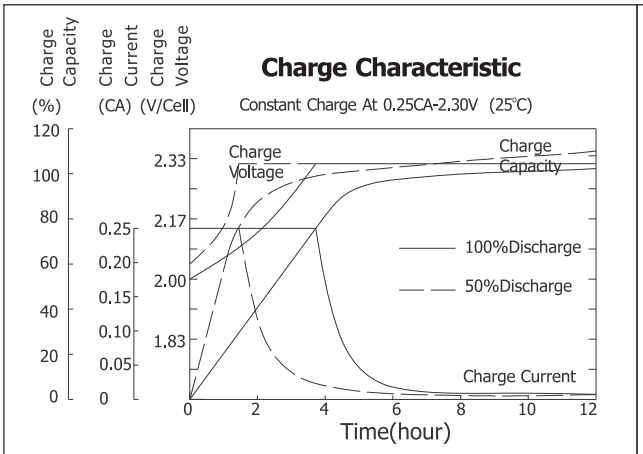


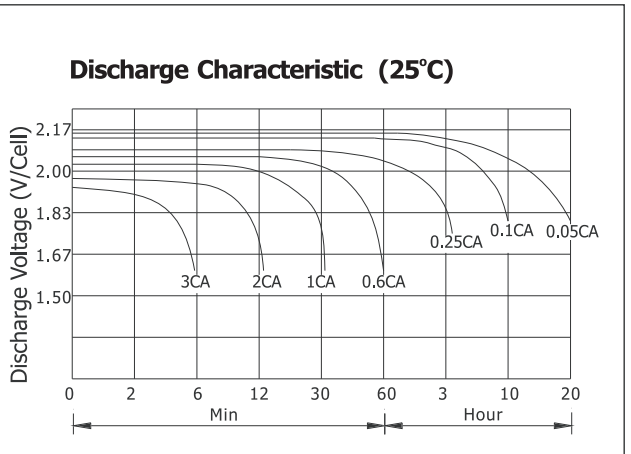


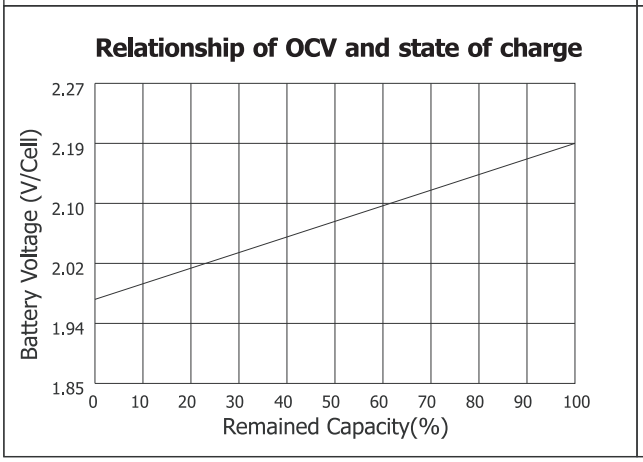
Terminal Dimensions

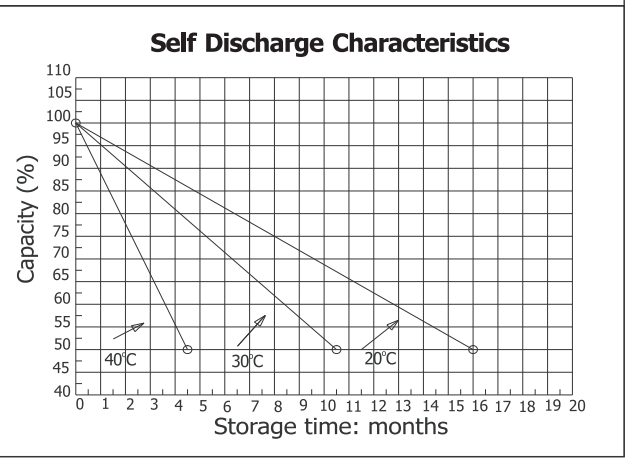


Battery Model	DP 12-5.4			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.25A,1.80V)	10HR(0.45A,1.80V)	5HR(0.85A,1.75V)	1HR(3.27A,1.60V)
	5AH	4.5AH	4.25AH	3.27AH
Dimensions	Length	Width	Height	Total Height
	90mm(3.54inch)	70mm(2.76inch)	101mm(3.98inch)	107mm(4.21inch)
Approx. Weight	1.65Kg (3.64 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	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
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	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
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.
295 Mongkol Tower, 3rd Fl, Ramintra Rd,
Anusawaree, Bangkhen, Bangkok 10220,
THAILAND. Tel: (66) 2970-7575
Fax: (66) 2970-7676