

PW12-09 12V-9.0Ah

PW SERIES VRLA BATTERY



PW12-09 12V-9.0Ah



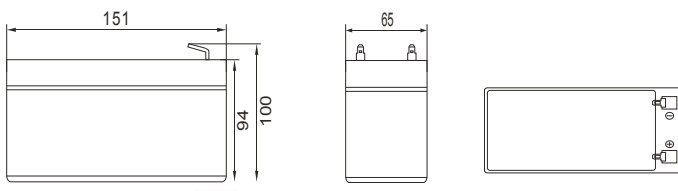
Physical Specification

Part Number:	PW12-09 (12V 9.0Ah)
Length:	151 mm (5.94 inches)
Width:	65 mm (2.56 inches)
Height:	94 mm (3.7 inches)
Total Height:	100 mm (3.94 inches)
Approx Weight:	2.5 kg (5.51 lbs) ± 3%

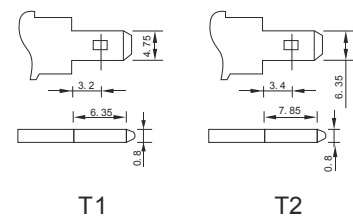
Specification

Battery Model	Nominal Voltage	12V			
	Rated capacity (20 hour rate)	9.0 Ah			
	Cells per battery	6			
Dimension	Length	Width	Height	Total Height	
	151mm (5.94 inches)	65mm (2.56 inches)	94mm (3.7 inches)	100mm (3.94 inches)	
Capacity @25°C (77°F)	20 hour rate (0.45A,10.5V)	10 hour rate (0.81A,10.8V)	5 hour rate (1.54A,10.5V)	1 hour rate (5.4A,9.6V)	
	9.0 Ah	8.1Ah	7.7Ah	5.4Ah	
Max. discharge current	135A (5 sec.)				
Internal Resistance	Full charged at 25°C (77°F) Approx 20mΩ				
Capacity affected by Temp. (20 Hour)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)	
	102%	100%	85%	65%	
Self Discharge @25°C (77°F)	After 3 months storage		After 6 months storage		After 12 months storage
	91%		82%		64%
Charge Method @25°C (77°F)	Cycle Use		Float Use		
	14.40-14.70V (Initial charging current less than 2.7A)		13.50-13.80V		

Dimension



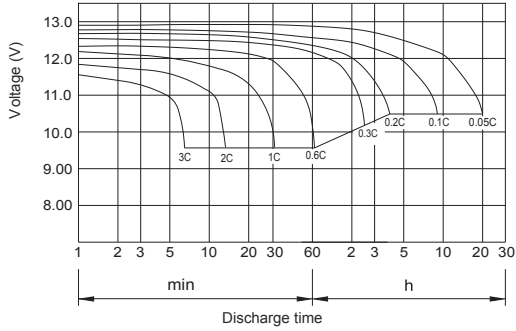
Terminal Type



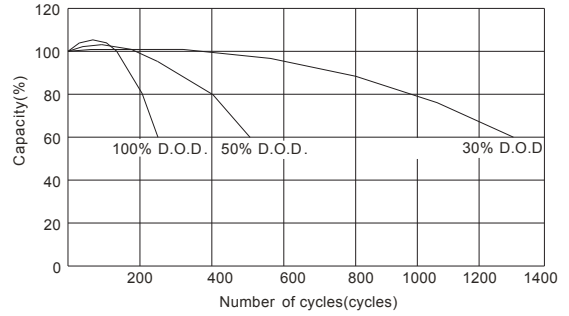
Constant Current Discharge (Amperes) at 25°C (77°F)

F.V\TIME		5min	10min	15min	30min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
9.60V	A	32.40	16.50	15.80	10.35	5.40	3.15	2.32	1.86	1.58	1.04	0.85	0.47
	W	382.10	186.70	181.50	109.90	62.30	36.50	26.81	21.53	18.26	12.04	9.86	5.40
10.20V	A	29.70	15.80	14.50	9.83	5.07	3.02	2.25	1.80	1.55	1.02	0.84	0.45
	W	359.60	176.80	170.60	109.10	58.50	35.00	26.06	20.85	17.93	11.85	9.68	5.25
10.50V	A	27.00	14.80	13.50	9.52	4.91	2.96	2.21	1.71	1.54	1.01	0.83	0.45
	W	347.20	171.50	163.10	108.00	56.80	34.30	25.61	19.80	17.81	11.74	9.60	5.25
10.80V	A	26.00	14.10	12.60	9.26	4.74	2.89	2.18	1.68	1.46	0.99	0.81	0.44
	W	304.50	166.30	157.10	107.60	55.10	33.60	25.31	19.56	17.03	11.25	9.38	5.10
11.10V	A	24.00	13.30	11.70	9.00	4.57	2.81	2.06	1.65	1.40	0.96	0.79	0.43
	W	294.40	160.70	149.60	106.90	54.40	33.40	24.56	19.50	16.65	10.87	9.19	5.06

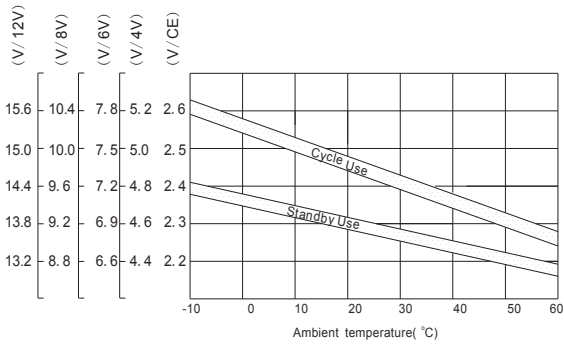
Discharge characteristic Curve



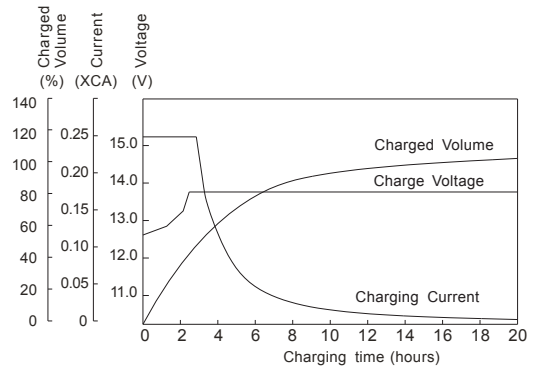
Cycle service life in relation to depth of discharge



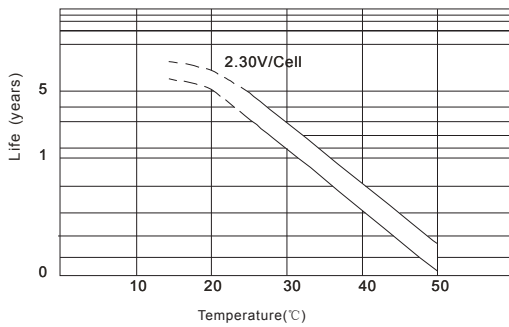
Relationship between charging voltage and temperature



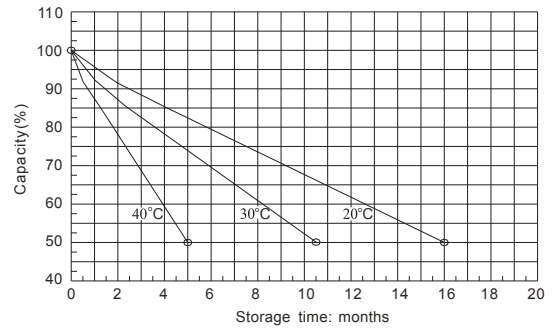
Constant voltage charging characteristic (0.25CA, at 25 °C)



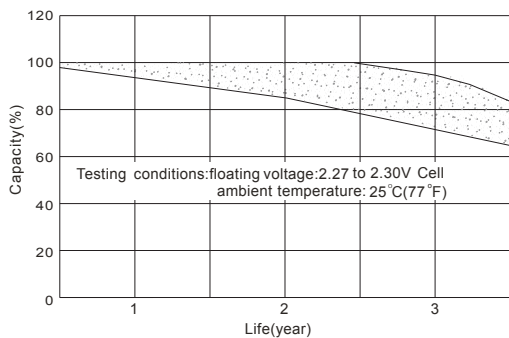
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use

