

PW12-12 12V-12Ah

PW SERIES VRLA BATTERY



PW12-12 12V-12Ah



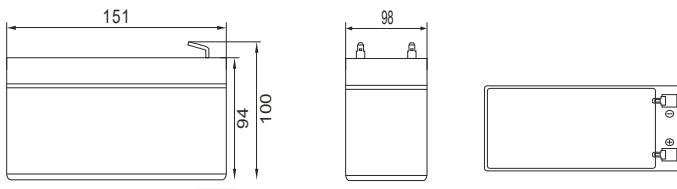
Physical Specification

Part Number:	PW12-12 (12V 12Ah)
Length:	151 mm (5.94 inches)
Width:	98 mm (3.86 inches)
Height:	94 mm (3.7 inches)
Total Height:	100 mm (3.94 inches)
Approx Weight:	3.3 kg (7.28 lbs) ± 3%

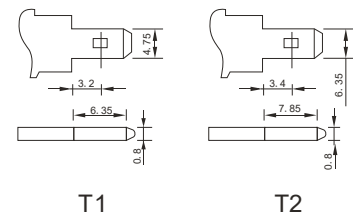
Specification

Battery Model	Nominal Voltage	12V			
	Rated capacity (20 hour rate)	12 Ah			
	Cells per battery	6			
Dimension	Length	Width	Height	Total Height	
	151mm (5.94 inches)	98mm (3.86 inches)	94mm (3.7 inches)	100mm (3.94 inches)	
Capacity @25°C (77°F)	20 hour rate (0.6A,10.5V)	10 hour rate (1.1A,10.8V)	5 hour rate (2.0A,10.5V)	1 hour rate (7.2A,9.6V)	
	12.0Ah	11.0Ah	10.2Ah	7.2Ah	
Max. discharge current	180A (5 sec.)				
Internal Resistance	Full charged at 25°C : Approx 14mΩ				
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 mnts storage		After 6 mnts storage		After 12 mnts storage
	91%		82%		64%
Charge Method @25°C (77°F)	Cycle Use		Float Use		
	14.40-14.70V (Initial charging current less than 3.6A)		13.50-13.80V		

Dimension



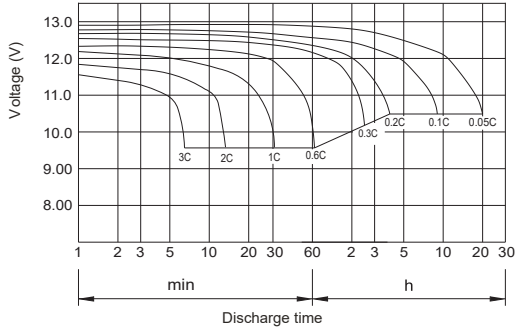
Terminal Type



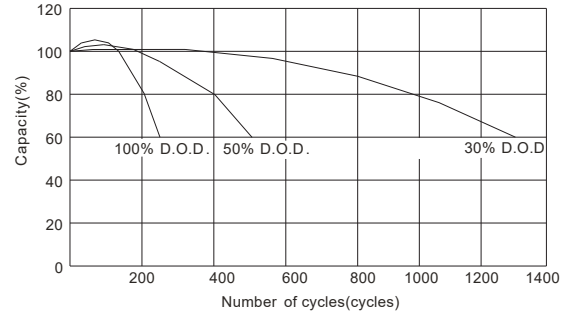
Constant Current Discharge (Amperes) at 25°C (77°F)

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	43.20	28.30	21.00	13.80	7.20	4.20	3.09	2.48	2.11	1.39	1.13	0.62
	W	509.50	320.00	242.00	146.50	83.00	48.60	35.75	28.70	24.35	16.05	13.15	7.20
10.20V	A	39.60	27.00	19.30	13.10	6.76	4.03	3.00	2.40	2.06	1.37	1.12	0.61
	W	479.50	303.00	227.50	145.50	78.00	46.70	34.75	27.80	23.90	15.80	12.90	7.00
10.50V	A	36.10	25.30	18.00	12.70	6.54	3.95	2.95	2.28	2.04	1.35	1.10	0.60
	W	463.00	294.00	217.50	144.00	75.70	45.80	34.15	26.40	23.75	15.65	12.80	6.95
10.80V	A	34.60	24.20	16.80	12.40	6.32	3.85	2.90	2.24	1.95	1.31	1.07	0.59
	W	406.00	285.00	209.50	143.50	73.50	44.80	33.75	26.08	22.70	15.00	12.50	6.80
11.10V	A	32.00	22.80	15.60	12.00	6.10	3.75	2.75	2.20	1.87	1.28	1.05	0.57
	W	392.50	275.50	199.50	142.50	72.50	44.50	32.75	26.00	22.20	14.50	12.25	6.75

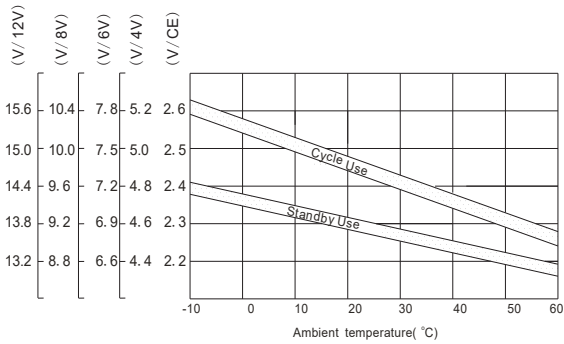
Discharge characteristic Curve



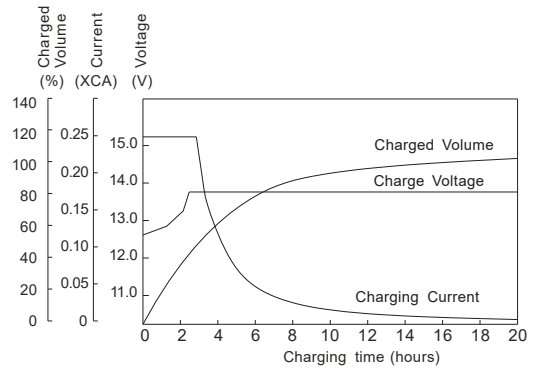
Cycle service life in relation to depth of discharge



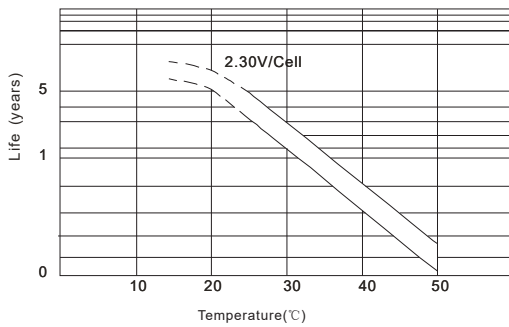
Relationship between charging voltage and temperature



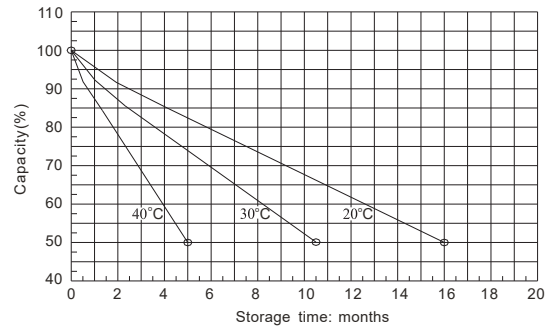
Constant voltage charging characteristic (0.25CA, at 25 °C)



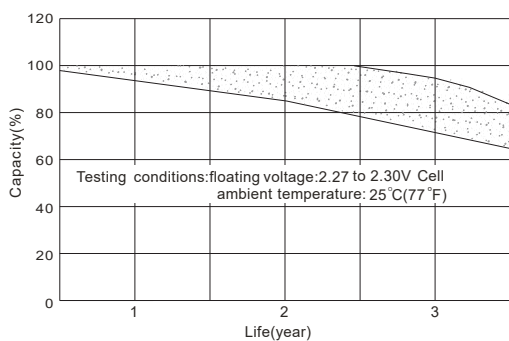
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use

