

PW12-07 12V-7Ah

PW SERIES VRLA BATTERY



PW12-07 12V-7.2Ah



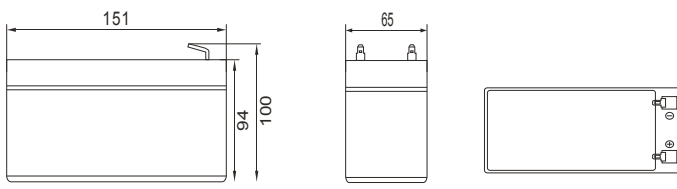
Physical Specification

Part Number:	PW12-07 (12V 7Ah)
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:	2.0 kg (4.41 lbs) ± 3%

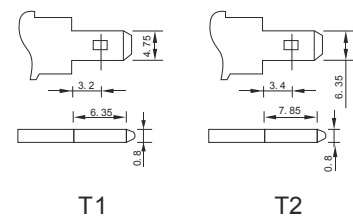
Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (20 hour rate)		7Ah	
	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 (0.35A,10.5V)	10 hour rate (0.64A,10.8V)	5 hour rate (1.2A,10.5V)	1 hour rate (4.2A,9.6V)
	7.0 Ah	6.4Ah	6.0Ah	4.2Ah
Max. discharge current	105A (5 sec.)			
Internal Resistance	Full charged at 25°C (77°F) Approx 25mΩ			
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
	94%		86%	68%
Charge Method @25°C (77°F)	Cycle Use		Float Use	
	14.40-14.70V (Initial charging current less than 2.1A)		13.50-13.80V	

Dimension



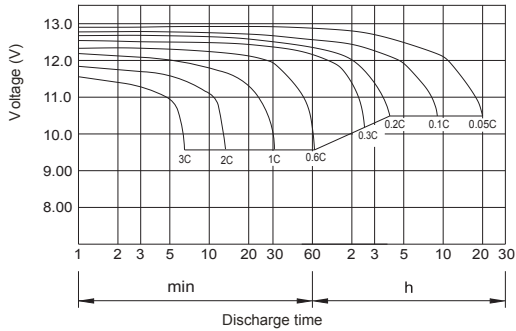
Terminal Type



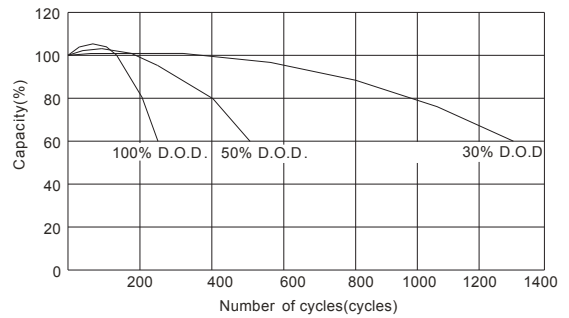
Constant Current Discharge (Amperes) at 25°C (77°F)

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	25.20	16.50	12.30	8.05	4.20	2.45	1.80	1.45	1.23	0.81	0.66	0.36
	W	297.20	186.70	141.20	85.50	48.40	28.40	20.85	16.74	14.20	9.36	7.67	4.20
10.20V	A	23.10	15.80	11.30	7.64	3.94	2.35	1.75	1.40	1.20	0.80	0.65	0.35
	W	279.70	176.80	132.70	84.90	45.50	27.20	20.27	16.22	13.94	9.22	7.53	4.08
10.50V	A	21.00	14.80	10.50	7.41	3.82	2.30	1.72	1.33	1.20	0.79	0.64	0.35
	W	270.10	171.50	126.90	86.00	44.20	26.70	19.92	15.40	13.85	9.13	7.47	4.05
10.80V	A	20.20	14.10	9.80	7.20	3.69	2.25	1.69	1.31	1.14	0.77	0.63	0.35
	W	236.80	166.30	122.20	83.70	42.90	26.10	19.69	15.21	13.24	8.75	7.29	3.97
11.10V	A	18.70	13.30	9.10	7.00	3.56	2.19	1.60	1.28	1.09	0.75	0.61	0.33
	W	229.00	160.70	116.40	83.10	42.30	26.00	19.10	15.17	12.95	8.46	7.15	3.94

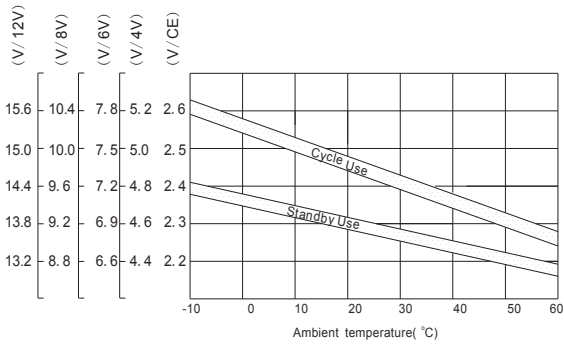
Discharge characteristic Curve



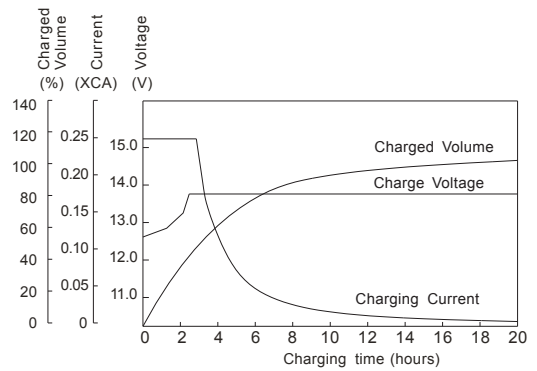
Cycle service life in relation to depth of discharge



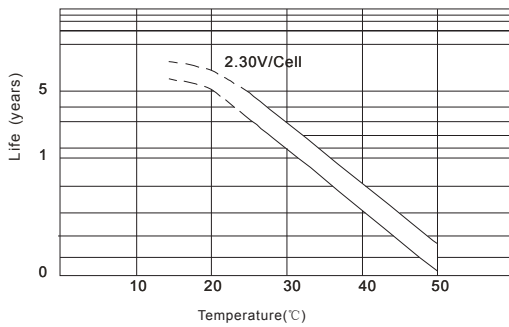
Relationship between charging voltage and temperature



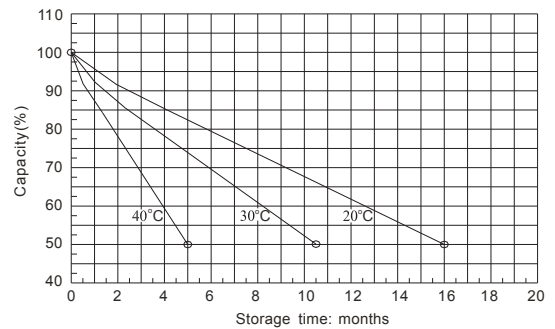
Constant voltage charging characteristic (0.25CA, at 25 °C)



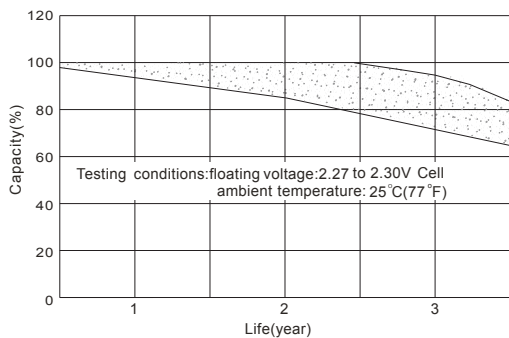
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use

