

PW12-250 12V-250Ah

PW SERIES VRLA BATTERY



PW12-250 12V-250Ah



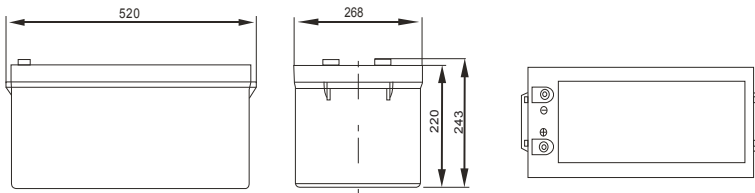
Physical Specification

Part Number:	PW12-250 (12V 250Ah)
Length:	520 mm (20.47 inches)
Width:	268 mm (10.55 inches)
Height:	220 mm (8.66 inches)
Total Height:	243 mm (9.57 inches)
Approx Weight:	66.5 kg (146.6 lbs) ± 3%

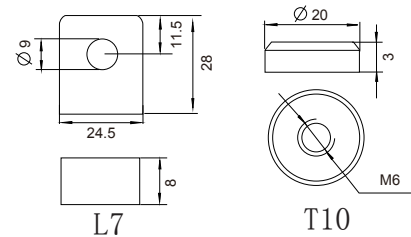
Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (20 hour rate)		250Ah	
	Cells per battery		6	
Dimension	Length	Width	Height	Total Height
	522mm (20.55 inches)	240mm (9.45 inches)	216mm (8.50 inches)	240mm (9.45 inches)
Capacity @25°C (77°F)	10 hour rate (25A, 10.8V)	5 hour rate (40.0A, 10.5V)	3 hour rate (59.5A, 10.8V)	1 hour rate (150A, 9.6V)
	250Ah	200Ah	178.5Ah	150Ah
Max. discharge current	2000A (5 sec.)			
Internal Resistance	Full charged at 25°C : Approx 3.5mΩ			
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 75A)		13.50-13.80V	

Dimension



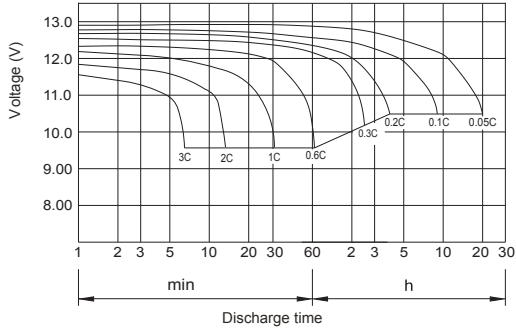
Terminal Type



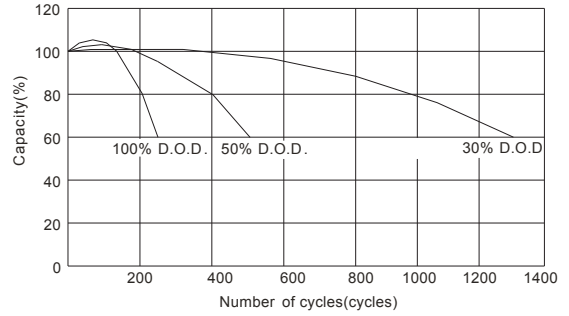
Constant Current Discharge (Amperes) at 25°C (77°F)

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	800.8	527.5	425.3	285.0	150.0	87.5	64.3	50.0	41.3	29.3	26.3	14.2
	W	8263.7	5633.7	4559.5	3064.3	1620.0	960.8	715.1	562.5	469.0	335.2	303.2	164.8
10.20V	A	775.5	476.0	400.5	272.5	141.0	83.5	62.5	48.8	40.5	28.5	25.8	13.8
	W	8282.3	5315.0	4481.6	3059.1	1594.7	962.4	723.8	566.9	472.1	333.5	302.5	161.3
10.50V	A	750.3	425.8	350.3	255.0	136.5	81.5	61.0	48.0	40.0	28.3	25.3	13.8
	W	8192.7	4843.3	3997.1	2934.5	1580.7	945.2	710.8	561.6	469.0	332.2	298.8	162.5
10.80V	A	723.0	401.3	325.5	235.0	132.0	79.5	59.5	47.3	39.0	27.5	25.0	13.5
	W	8112.1	4627.2	3749.8	2722.7	1536.5	931.1	701.5	557.9	461.0	325.9	297.2	160.8
11.10V	A	698.8	376.0	300.5	210.0	127.5	77.5	57.5	46.0	38.0	26.8	23.8	12.8
	W	7923.8	4354.1	3497.8	2457.0	1499.4	916.1	683.1	547.9	453.5	320.4	286.7	154.5

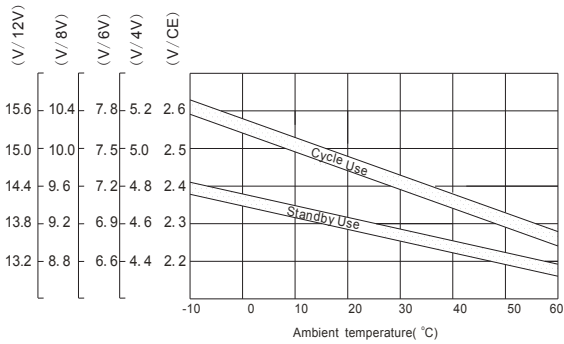
Discharge characteristic Curve



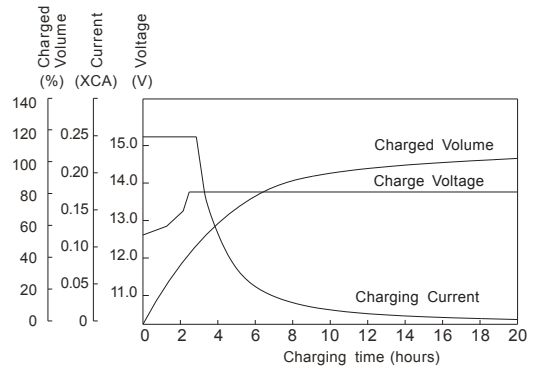
Cycle service life in relation to depth of discharge



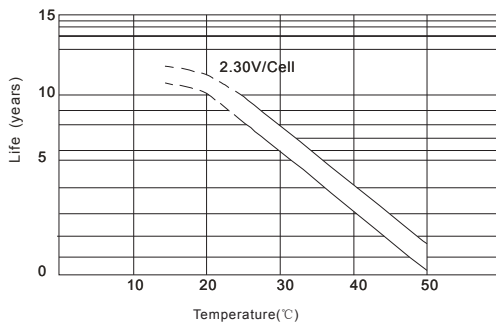
Relationship between charging voltage and temperature



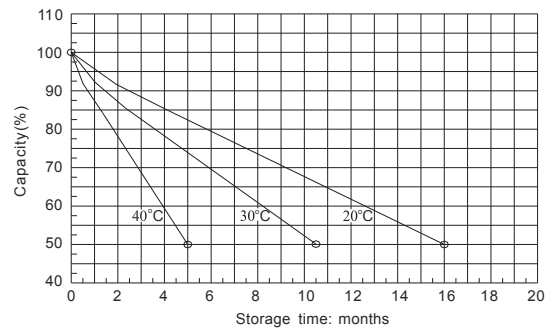
Constant voltage charging characteristic (0.25CA, at 25 °C)



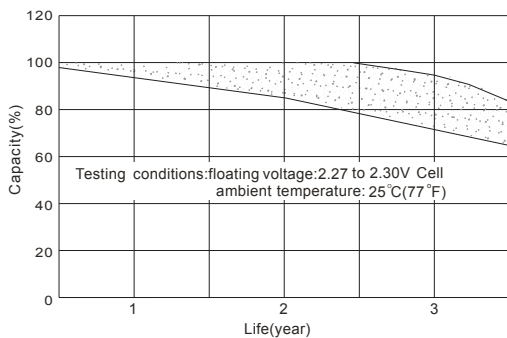
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use

