

PW12-150 12V-150Ah

PW SERIES VRLA BATTERY



PW12-150 12V-150Ah



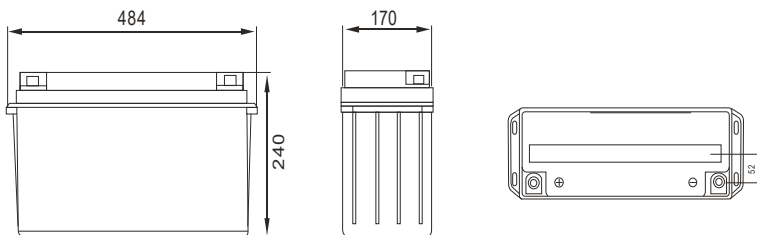
Physical Specification

Part Number:	PW12-150 (12V 150Ah)
Length:	484 mm (19.06 inches)
Width:	170 mm (6.69 inches)
Height:	240 mm (9.45 inches)
Total Height:	240 mm (9.45 inches)
Approx Weight:	41.0 kg (90.39 lbs) ± 3%

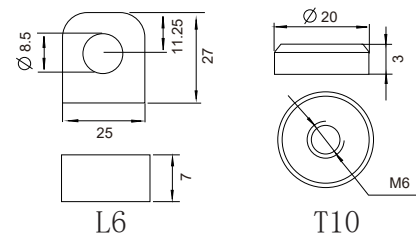
Specification

Battery Model	Nominal Voltage	12V			
	Rated capacity (20 hour rate)	150 Ah			
	Cells per battery	6			
Dimension	Length	Width	Height	Total Height	
	484mm (19.06 inches)	170mm (6.69 inches)	240mm (9.45 inches)	240mm (9.45 inches)	
Capacity @25°C (77°F)	10 hour rate (15A, 10.8V)	5 hour rate (24A, 10.5V)	3 hour (35.7A, 10.8V)	1 hour (90A, 9.6V)	
	150Ah	120Ah	107.1Ah	90Ah	
Max. discharge current	1200A (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 45A)		13.50-13.80V		

Dimension



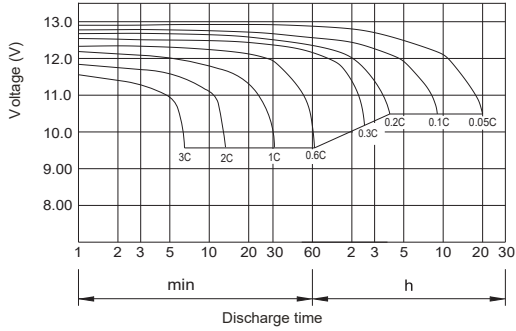
Terminal Type



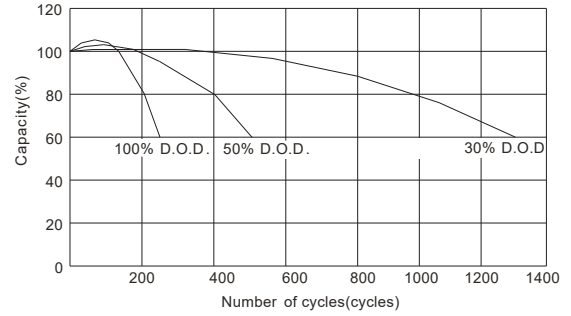
Constant Current Discharge (Amperes) at 25°C (77°F)

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	480.5	316.5	255.2	171.0	90.0	52.5	38.6	30.0	24.8	17.6	15.8	8.5
	W	4958.2	3380.2	2735.7	1838.6	972.0	576.5	429.1	337.5	281.4	201.1	181.9	98.9
10.20V	A	465.3	285.6	240.3	163.5	84.6	50.1	37.5	29.3	24.3	17.1	15.5	8.3
	W	4969.4	3189.0	2689.0	1835.5	956.8	577.5	434.3	340.1	283.3	200.1	181.5	96.8
10.50V	A	450.2	255.5	210.2	153.0	81.9	48.9	36.6	28.8	24.0	17.0	15.2	8.3
	W	4915.6	2906.0	2398.2	1760.7	948.4	567.1	426.5	337.0	281.4	199.3	179.3	97.5
10.80V	A	433.8	240.8	195.3	141.0	79.2	47.7	35.7	28.4	23.4	16.5	15.0	8.1
	W	4867.2	2776.3	2249.9	1633.6	921.9	558.7	420.9	334.8	276.6	195.5	178.3	96.5
11.10V	A	419.3	225.6	180.3	126.0	76.5	46.5	34.5	27.6	22.8	16.1	14.3	7.7
	W	4754.3	2612.4	2098.7	1474.2	899.6	549.6	409.9	328.7	272.1	192.2	172.0	92.7

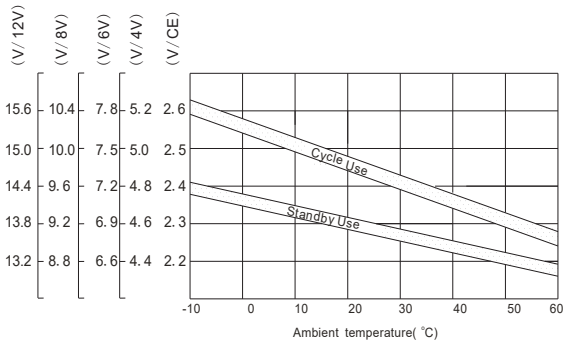
Discharge characteristic Curve



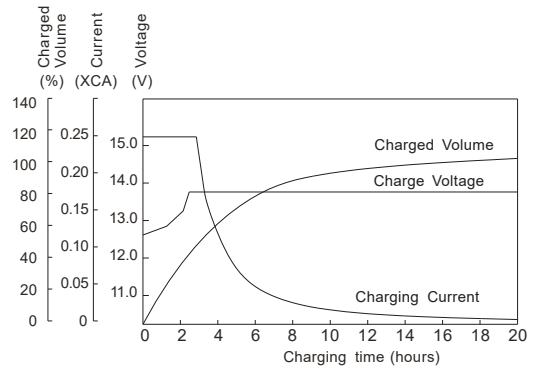
Cycle service life in relation to depth of discharge



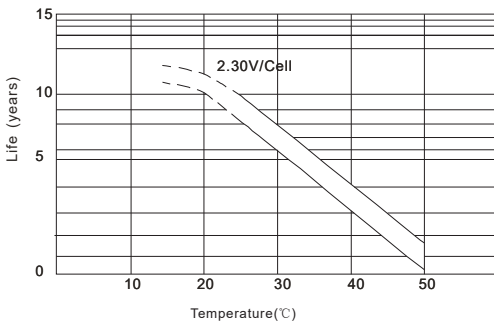
Relationship between charging voltage and temperature



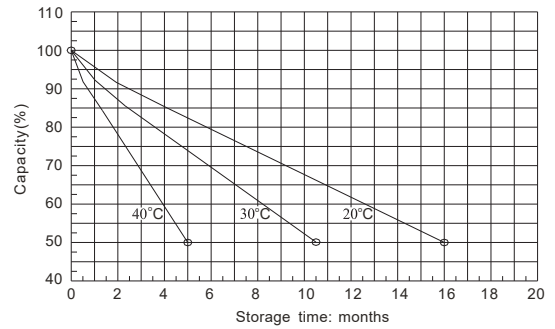
Constant voltage charging characteristic (0.25CA, at 25 °C)



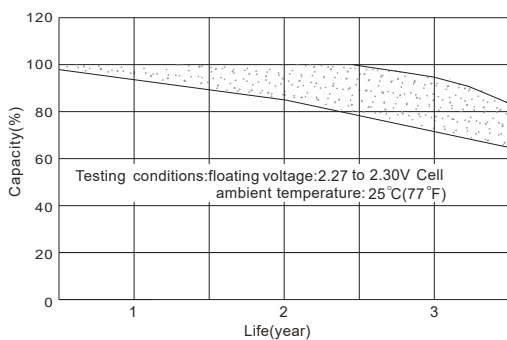
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use

