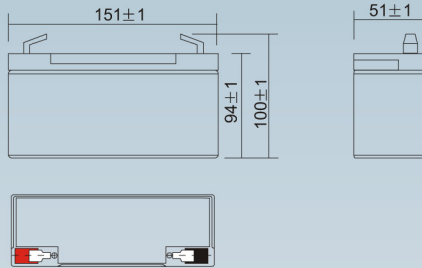


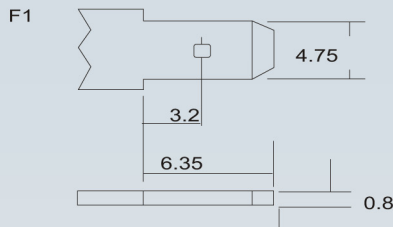
VO Series

(5yr Design Life in Float Service at 20°C)

Dimensions (mm)



Standard terminal (mm)



Physical Specification

Nominal Voltage		6V
Nominal Capacity (20HR)		12.0 AH
Dimension	Length	151 ± 2 mm
	Width	51 + 2 mm
	Container Height	94 ± 2 mm
	Total Height (with terminal)	100 ± 2 mm
Weight		Approx 1.80kg
Standard Terminal		F1

PS-6120 6V 12.0AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate(1.80V/cell)	12.0AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 3.0A Voltage 7.20V ~ 7.50V at 25°C (77°F)
	10hr Rate(1.80V/cell)	11.5AH			
Capacity Affected by Temperature	8hr Rate(1.75V/cell)	11.2AH	Standby	Recommended Charge Current less than 3.0A Voltage 6.75V ~ 6.90V at 25°C (77°F)	
	5hr Rate(1.75V/cell)	10.3AH			
	1hr Rate(1.60V/cell)	7.81AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 3.0A Voltage 6.75V ~ 6.90V at 25°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistances m0hms

15.0 m0hms

Constant Current Discharge Characteristics Unit: Amperes (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	20MIN	30MIN	45MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	48HR	72HR	100HR
1.60V	46.3	31.5	23.30	19.00	13.80	9.60	7.81	4.46	3.38	2.71	2.22	1.89	1.45	1.21					
1.67V	39.9	28.1	21.10	17.50	12.80	9.09	7.44	4.27	3.22	2.58	2.11	1.82	1.43	1.18					
1.70V	38.1	26.9	20.50	16.80	12.40	8.99	7.29	4.20	3.15	2.54	2.09	1.81	1.42	1.17					
1.75V	34.6	24.6	19.20	16.00	11.91	8.64	7.07	4.04	3.06	2.48	2.06	1.77	1.40	1.16	0.606	0.523	0.276	0.190	0.139
1.80V	30.7	22.4	17.60	14.90	11.47	8.33	6.76	3.90	3.00	2.42	1.99	1.72	1.37	1.15	0.600	0.518	0.274	0.188	0.138
1.85V	22.9	17.5	14.54	12.60	9.72	7.16	6.03	3.57	2.79	2.27	1.85	1.61	1.30	1.08	0.594	0.510	0.269	0.185	0.135

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	20MIN	30MIN	45MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	48HR	72HR	100HR
1.60V	230.4	160.4	122.3	102.2	75.5	53.4	44.0	25.4	19.4	15.6	12.8	11.00	8.52	7.11					
1.67V	204.8	147.3	113.2	95.3	70.8	51.1	42.3	24.5	18.6	15.0	12.3	10.60	8.40	6.98					
1.70V	196.7	141.4	110.2	92.0	68.8	50.7	41.7	24.1	18.2	14.8	12.2	10.60	8.34	6.92					
1.75V	183.7	132.8	104.6	88.2	66.5	49.0	40.5	23.3	17.7	14.4	12.0	10.40	8.24	6.86	3.59	3.15	1.67	1.151	0.845
1.80V	166.5	122.8	97.0	82.8	64.6	47.6	38.9	22.5	17.5	14.1	11.6	10.10	8.12	6.79	3.56	3.13	1.66	1.142	0.836
1.85V	125.3	97.2	81.4	71.1	55.6	41.3	35.0	20.8	16.3	13.3	10.9	9.48	7.67	6.43	3.53	3.10	1.65	1.124	0.823



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