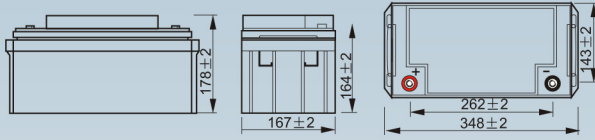


VO Series

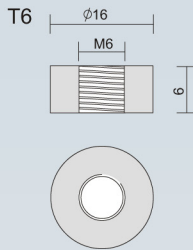
(10yr Design Life in Float Service at 20°C)

Dimensions (mm)



Standard terminal (mm)

T6 Threaded Insert 6mm STUD



Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		70.0 AH
Dimension	Length	348 ± 2 mm
	Width	167 + 2 mm
	Container Height	178 ± 2 mm
	Total Height (with terminal)	178 ± 2 mm
Weight		Approx 19.2kg
Standard Terminal		T6

PS-12700 12V 70AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate (1.80V/cell)	67.6AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 17.5A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hr Rate (1.80V/cell)	65.0AH			
Capacity Affected by Temperature	8hr Rate (1.75V/cell)	62.72AH	Standby	Recommended Charge Current less than 17.5A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	5hr Rate (1.75V/cell)	56.50AH			
	1hr Rate (1.60V/cell)	39.70AH			
	40°C (104°F)	103%			
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistance mΩ

7.3mΩ

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

F.V/Time	5MIN	10MIN	15MIN	20mn	30MIN	45mn	1HR	2HR	3HR	4HR	5HR	6H	8HR	10HR	20HR	24HR	48HR	72HR	100HR
1.60V	225.5	156.8	119.2	86.9	70.2	46.3	39.7	24.4	18.7	15.1	12.2	9.59	8.06	6.84					
1.67V	194.4	140.0	108.1	79.8	65.1	43.9	37.8	23.4	17.8	14.3	11.6	9.28	7.92	6.70					
1.70V	185.4	133.8	104.8	76.7	63.0	43.4	37.0	23.0	17.4	14.1	11.5	9.19	7.88	6.63					
1.75V	168.4	122.8	98.2	73.0	60.6	41.7	36.6	22.1	16.6	13.5	11.3	9.00	7.84	6.56	3.41	2.68	1.39	1.04	0.77
1.80V	149.3	111.8	89.9	67.9	58.3	40.2	34.3	21.3	16.0	13.2	10.9	8.76	7.62	6.50	3.38	2.65	1.36	1.02	0.76
1.85V	111.2	87.5	74.4	57.4	49.4	34.5	30.6	19.5	15.4	12.6	10.2	8.17	7.18	6.14	3.35	2.60	1.34	1.00	0.74

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

F.V/Time	5MIN	10MIN	15MIN	20mn	30MIN	45mn	1HR	2HR	3HR	4HR	5HR	6H	8HR	10HR	20HR	24HR	48HR	72HR	100HR
1.60V	2242.8	1599.3	1251.2	944.4	768.0	521.1	447.3	277.7	214.1	173.7	141.0	112.7	94.4	80.6					
1.67V	1993.8	1468.2	1158.6	880.1	720.5	498.4	430.0	267.7	205.1	166.0	134.9	109.4	93.1	79.2					
1.70V	1914.8	1409.8	1127.4	849.9	700.2	494.8	423.1	264.2	201.0	163.9	133.7	108.5	92.7	78.5					
1.75V	1788.5	1323.4	1070.9	814.8	676.5	477.6	419.3	254.8	192.5	156.8	132.4	106.5	92.4	77.7	40.5	32.2	16.6	12.51	9.36
1.80V	1620.7	1224.0	992.6	764.6	657.0	462.6	395.2	246.5	185.5	153.5	127.7	104.0	90.0	77.1	40.1	31.8	16.3	12.36	9.22
1.85V	1220.4	969.4	832.8	656.4	565.5	402.5	355.7	227.4	180.4	147.8	119.5	97.3	85.1	72.9	39.8	31.3	16.1	12.16	9.09



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