

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

**Dimensions (mm)**

**Standard Terminal (mm)**

T6 Threaded Insert 6mm Stud

Torque 3.9 ~5.4 Nm

**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
Weight	Approx 24.0kg	
Standard Terminal	T6	
Case and Cover Material	ABS (UL94-V0)	

**PS-12700 VO 12V 70AH**

**Discharge Characteristics (25°C, 77°F)**

Rated Capacity	20h Rate (1.80V/cell)	75.00AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 18.75A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10h Rate (1.80V/cell)	70.00AH			
	5h Rate (1.75V/cell)	60.90AH			
	3h Rate (1.75V/cell)	54.60AH			
	1h Rate (1.60V/cell)	43.40AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Standby	Recommended Charge Current less than 18.75A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	25°C (77°F)	100%			
	0°C (32°F)	86%			

**Internal Resistance mΩ**

Approx 6.6 mΩ

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	81.9	68.9	61.1	50.7	39.1	33.5	21.7	16.3	13.3	11.2	9.84	7.89	6.78	3.62
1.80V/cell	93.7	77.3	67.6	55.0	42.2	35.3	23.3	17.5	14.2	11.9	10.4	8.30	7.00	3.75
1.75V/cell	106.4	87.2	74.7	59.8	46.0	38.5	24.2	18.2	14.7	12.2	10.7	8.58	7.19	3.84
1.70V/cell	120.2	96.7	82.4	65.3	49.6	40.7	25.5	19.2	15.3	12.9	11.3	8.94	7.46	3.94
1.65V/cell	129.1	103.6	87.7	68.9	52.5	42.1	26.5	19.9	15.9	13.3	11.7	9.25	7.67	4.06
1.60V/cell	142.0	113.4	95.2	73.5	54.5	43.4	27.1	20.4	16.3	13.6	11.9	9.41	7.83	4.13

**Constant Power Discharge (Watts/cell) at 25°C (77°F)**

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	152.9	129.9	116.4	97.6	76.0	65.2	42.5	32.1	26.4	22.2	19.5	15.7	13.6	7.24
1.80V/cell	172.9	143.9	126.8	104.4	81.3	68.5	45.4	34.3	27.9	23.5	20.6	16.5	14.0	7.48
1.75V/cell	193.3	160.3	138.8	112.5	87.8	74.3	47.0	35.5	28.7	23.9	21.2	17.0	14.3	7.66
1.70V/cell	213.4	175.3	152.1	122.2	94.3	78.4	49.4	37.3	30.0	25.3	22.2	17.7	14.9	7.85
1.65V/cell	227.1	186.3	160.6	127.9	98.9	80.5	51.0	38.6	31.0	26.0	22.9	18.3	15.3	8.09
1.60V/cell	244.2	200.7	172.6	135.5	102.2	82.5	52.0	39.4	31.6	26.5	23.3	18.6	15.6	8.21