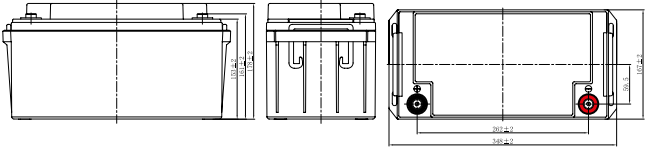


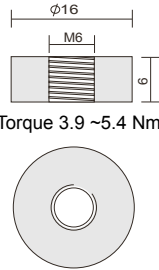
VO SERIES (VRLA 10yr Life)

Dimensions (mm)



Standard Terminal (mm)

T6 Threaded Insert 6mm Stud



Torque 3.9 ~5.4 Nm

Physical Specification

Nominal Voltage	12V	
Nominal Capacity	65.0 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	
Case and Cover Material	ABS (UL94-V0)	

PS-12650 VO 12V 65AH



Sealed Rechargeable Battery
POWERSONIC®
MODEL PS-12650 B
12 Volt 65.0 Amp. Hr.
Power-Sonic Corporation
www.power-sonic.co.uk

Discharge Characteristics (25°C, 77°F)

Rated Capacity	20h Rate (3.38A)	67.6AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 16.25A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10h Rate (6.50A)	65.0AH			
	8h Rate (7.84A)	62.72AH			
	5h Rate (11.3A)	56.50AH			
Capacity Affected by Temperature	1h Rate (39.7A)	39.70AH	Standby	Recommended Charge Current less than 16.25A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	40°C (104°F)	103%			
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistance mΩ

7.3 mΩ

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h
1.85V/cell	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
1.80V/cell	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
1.75V/cell	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
1.70V/cell	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					
1.67V/cell	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					
1.60V/cell	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					

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h
1.85V/cell	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
1.80V/cell	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
1.75V/cell	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
1.70V/cell	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					
1.67V/cell	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					
1.60V/cell	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					