

VRZ SERIES—Tubular Gel Batteries

VRZ-1000 (2V1000AH)



Specifications	
Nominal Voltage	2V
Nominal Capacity	1000Ah (8Hr to 1.75 V/cell @ 77°F)
Dimensions	Length 9.17 inches
	Width 8.27 inches
	Height (with Terminal) 26.8 inches
Weight	173.1 lbs.
Container Material	ABS (V0 flame retardant case and cover optional)
Hardware / Torque Rating	M8 / 98–130 in. lbs.
Preferred Operating Temp.	68–77 °F
Operating Temp Range	Discharge: –15~50°C (5~130°F)
	Charge: 0~40°C (32~104°F)
	Storage: –15~40°C (32~104°F)
Internal Resistance	Approx. 0.45mOhms
Max. Discharge Current	8000 (5s)
Float Voltage	2.25V at 77°F
Equalize Voltage	2.35V at 77°F
Max. Charge Current Allowed	200 Amps
Self Discharge	The VRZ series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Applications

- Telecommunications
- Utility
- Solar
- Oil and gas
- Railways



Constant Current Discharge (Amperes) at 25°C (77°F)									
F.V/Time	10 min	15 min	30 min	1h	2h	3h	5h	8h	10h
1.85 V/cell	702.5	667.4	574.7	458.4	303.9	234.8	161.7	113.3	96.5
1.80 V/cell	864.2	807.5	669.5	517.1	333.7	256.5	174.1	121.5	103
1.75 V/cell	1021.8	903.3	714.0	537.7	343.0	261.6	178.2	122.6	105.1
1.70 V/cell	1146.4	985.7	755.0	558.3	352.3	266.8	180.3	124.6	106.1
1.65 V/cell	1231.9	1041.3	785.9	574.7	359.5	271.9	183.3	125.7	107.1
1.60 V/cell	1288.5	1078.4	805.5	585.0	364.6	275.0	185.4	126.7	108.2

Terminal

