

VRZ SERIES—Tubular Gel Batteries

VRZ-250 (2V250AH)

Specifications

Nominal Voltage	2V	
Nominal Capacity	250Ah (8Hr to 1.75 V/cell @ 77°F)	
Dimensions	Length	4.88 inches
	Width	8.11 inches
	Height (with Terminal)	15.3 inches
Weight	48.5 lbs.	
Container Material	ABS (V0 flame retardant case and cover optional)	
Hardware / Torque Rating	M8	
Preferred Operating Temp.	68–77 °F	
Operating Temp Range	Discharge:	-15~50°C (5~122°F)
	Charge:	0~40°C (32~104°F)
	Storage:	-15~40°C (32~104°F)
Internal Resistance	Approx. 1.1mOhms	
Max. Discharge Current	2000 (5s)	
Float Voltage	2.25V at 77°F	
Equalize Voltage	2.35V at 77°F	
Max. Charge Current Allowed	50 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	219.4	199.8	157.6	115.4	78.3	60.2	41.1	28.6	24.1
1.80 V/cell	270.9	242.1	183.3	129.8	86.0	65.4	44.3	30.7	25.8
1.75 V/cell	320.3	270.9	195.7	134.9	88.4	66.8	45.1	31.2	26.2
1.70 V/cell	358.4	295.6	207.0	140.1	90.6	68.3	45.8	31.5	26.5
1.65 V/cell	385.2	312.1	215.3	144.2	92.6	69.5	46.6	31.9	26.7
1.60 V/cell	403.8	323.4	220.4	147.3	93.8	70.3	47.1	32.2	26.9

T11 Terminal

