

VRZ SERIES—Tubular Gel Batteries

VRZ-300 (2V300AH)

Specifications

Nominal Voltage	2V		
Nominal Capacity	300Ah (8Hr to 1.75 V/cell @ 77°F)		
Dimensions	Length	5.17 inches	
	Width	8.11 inches	
	Height (with Terminal)	15.3 inches	
Weight	57.3 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. 1.0mOhms		
Max. Discharge Current	2400 (5s)		
Float Voltage	2.25V at 77°F		
Equalize Voltage	2.35V at 77°F		
Max. Charge Current Allowed	60 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	263.7	240.0	188.5	139.1	95.0	72.1	49.2	34.3	28.9
1.80 V/cell	324.5	290.5	220.4	156.6	103	78.5	53.1	36.8	30.9
1.75 V/cell	384.2	325.5	234.8	162.7	106.1	80.2	54.2	37.4	31.4
1.70 V/cell	430.5	354.3	248.2	168.9	109.2	81.9	55.0	37.9	31.7
1.65 V/cell	462.5	374.9	258.5	173.0	111.2	83.4	55.8	38.3	32.0
1.60 V/cell	484.1	388.3	264.7	176.1	122.3	84.4	56.4	38.6	32.3

T11 Terminal

