

VRZ SERIES—Tubular Gel Batteries

VRZ-600 (2V600AH)

Specifications

Nominal Voltage	2V	
Nominal Capacity	600Ah (8Hr to 1.75 V/cell @ 77°F)	
Dimensions	Length	5.17 inches
	Width	8.11 inches
	Height (with Terminal)	26.8 inches
Weight	101.4 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. 0.62mOhms	
Max. Discharge Current	4800 (5s)	
Float Voltage	2.25V at 77°F	
Equalize Voltage	2.35V at 77°F	
Max. Charge Current Allowed	120 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	421.3	400.7	345.1	275.0	182.3	141.1	97.0	67.8	57.9
1.80 V/cell	518.1	484.1	401.7	310.0	200.9	153.5	105.1	72.6	61.8
1.75 V/cell	612.9	541.8	428.5	322.4	206	156.6	107.1	73.9	62.7
1.70 V/cell	688.0	591.2	453.2	334.8	211.2	160.7	108.2	74.8	63.4
1.65 V/cell	738.5	625.2	471.7	345.1	215.3	162.7	110.2	75.7	64.2
1.60 V/cell	772.5	646.8	483.1	351.2	218.4	164.8	111.2	76.3	64.6

T11 Terminal

