

VRZ Series Maintenance-Free Tubular Gel Batteries

200–3,000Ah (2 Volt Cells)



The VRZ-Series batteries have tubular positive plates and a gelled electrolyte making them the highest quality valve-regulated battery design available. The VRZ batteries are ideal for applications which call for maximum life and maintenance-free operation.

Applications

- ▶ Telecommunications
- ▶ Industrial
- ▶ Reserve Power
- ▶ Utility

Features

- ▶ 15–20 year design life
- ▶ Maintenance-free operation
- ▶ Gel tubular plate technology
- ▶ Leak-proof post seal
- ▶ High cycle life
- ▶ Virgin lead
- ▶ Flame retardant ABS cover standard
- ▶ Safe – zero voltage exposed to personnel
- ▶ Low ventilation required

Construction

Positive Plate	Tubular plate with calcium–tin alloy
Negative Plate	Flat plate grid
Separation	Microporous combined with corrugated separator
Case and Cover Material	ABS
Specific Gravity	Fixed as gel
Post Design	Leak–proof with brass insert
Intercells	Fully insulated, flexible copper cables
Temp. Range	30°F to 130°F (77°F recommended)
Float Voltage	2.25 V/cell
Equalize Voltage	2.35 V/cell

Technical Data

Part No.	8 Hr Ah rate	Voltage (V)	Cell Dimensions (in.)	Total Weight (lbs.)	I.R. (mOhms)	No. of Positive Plates
VRZ-200	200	2	4.2L x 8.2W x 15.7H	43	0.92	4
VRZ-250	250	2	5.0L x 8.2W x 15.7H	52	0.74	5
VRZ-300	300	2	5.8L x 8.2W x 15.7H	62	0.63	6
VRZ-350	350	2	5.0L x 8.2W x 20.2H	68	0.57	5
VRZ-420	420	2	5.8L x 8.2W x 20.2H	80	0.49	6
VRZ-500	500	2	6.6L x 8.2W x 20.2H	93	0.43	7
VRZ-600	600	2	5.8L x 8.2W x 27.1H	110	0.55	6
VRZ-800	800	2	8.5L x 7.6W x 27.1H	150	0.40	8
VRZ-1000	1000	2	8.5L x 9.3W x 27.1H	180	0.32	10
VRZ-1200	1200	2	8.5L x 10.9W x 27.1H	213	0.27	12
VRZ-1500	1500	2	8.5L x 10.9W x 33.0H	264	0.28	12
VRZ-2000	2000	2	8.5L x 19.3W x 32.1H	352	0.21	16
VRZ-2500	2500	2	8.5L x 19.3W x 32.1H	440	0.17	20
VRZ-3000	3000	2	8.5L x 22.8W x 32.1H	528	0.14	24

Performance Data

Constant current discharge in Amperes to 1.75 V/cell @ 77°F

Part No.	5 min	15 min	30 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr	24 hr	100 hr	120 hr
VRZ-200	271	238	173	115	73	53	36	25	22	11.0	2.94	2.49
VRZ-250	338	298	216	138	90	68	43	32	27	13.8	3.47	2.92
VRZ-300	406	358	259	166	108	79	52	37	33	16.5	4.11	3.49
VRZ-350	375	368	290	198	122	91	63	44	38	19.3	4.78	4.08
VRZ-420	432	384	318	222	141	105	74	52	43	23.1	5.61	4.76
VRZ-500	525	515	406	275	171	127	88	62	52	27.0	6.61	5.61
VRZ-600	603	558	468	338	208	156	106	75	62	35.1	8.27	6.93
VRZ-800	804	744	624	448	278	208	141	100	83	46.8	10.8	9.16
VRZ-1000	1005	931	780	560	347	260	176	125	103	58.5	13.5	11.5
VRZ-1200	1206	1117	936	672	417	312	211	150	128	70.2	16.2	13.7
VRZ-1500	1311	1188	1056	825	540	403	272	187	158	79.2	19.8	16.9
VRZ-2000	1509	1000	960	792	576	453	311	250	181	105	24.9	21.2
VRZ-2500	2101	1663	1540	1230	844	625	438	312	260	132	32.4	27.4
VRZ-3000	2623	2376	2112	1650	1080	816	544	375	315	158	39.8	33.7