



# VRZ Series Tubular Gel VRLA Batteries

200 — 3,000 AH (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.

**Insulated flexible intercell connectors standard.**



## Construction

Positive Plate	Tubular plate with calcium-tin alloy
Negative Plate	Flat plate grid
Separation	Microporous combined with corrugated separator
Case and Cover	ABS
Electrolyte	Fixed as gel
Post Design	Leak-proof with M10 threaded brass insert
Intercells	Fully insulated, flexible copper cables
Temp. Range	30° to 130° F (68° to 77° F recommended)
Float Voltage	2.25 V/cell
Equalize Voltage	2.35 V/cell

## Features

- 15-20 year design life at 77°F
- Maintenance-free operation
- Gel tubular plate technology
- Leak-proof post seal
- High cycle life:
  - 1500+ cycles @ 80% DOD
- Flame retardant ABS cover standard
- Safe — fully insulated connections
- Built per OPzV DIN standards
- UL Listed - UL file no. MH19767

## Applications

- Telecom
- Industrial
- Reserve Power
- Utility



## Technical Data

Part No.	OPzV DIN Std.	8 hr. AH Rate	Voltage (V)	Cell Dimensions L x W x H (in.)	Total Weight (lb.)	I.R. (MOhms)
VRZ-200	4 OPzV 200	200	2	4.06 x 8.11 x 15.3	39.7	1.20
VRZ-250	5 OPzV 250	250	2	4.89 x 8.11 x 15.3	48.5	1.10
VRZ-300	6 OPzV 300	300	2	5.71 x 8.11 x 15.3	57.3	1.00
VRZ-350	5 OPzV 350	350	2	4.89 x 8.11 x 19.9	63.9	0.90
VRZ-420	6 OPzV 420	420	2	5.71 x 8.11 x 19.9	75.0	0.80
VRZ-490	7 OPzV 490	500	2	6.54 x 8.11 x 19.9	86.0	0.73
VRZ-600	6 OPzV 600	600	2	5.71 x 8.11 x 26.8	101	0.62
VRZ-800	8 OPzV 800	800	2	8.27 x 7.52 x 26.8	142	0.50
VRZ-1000	10 OPzV 1000	1000	2	8.27 x 9.17 x 26.8	173	0.45
VRZ-1200	12 OPzV 1200	1200	2	8.27 x 10.8 x 26.8	205	0.40
VRZ-1500	12 OPzV 1500	1500	2	8.27 x 10.8 x 32.7	254	0.30
VRZ-2000	16 OPzV 2000	2000	2	8.42 x 15.7 x 31.8	342	0.25
VRZ-2500	20 OPzV 2500	2500	2	8.35 x 19.2 x 31.8	432	0.20
VRZ-3000	24 OPzV 3000	3000	2	8.35 x 20.7 x 31.8	512	0.18

## Performance Data

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

Part No.	15 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.	5 hr.	8 hr.	10 hr.	20 hr.	24 hr.
VRZ-200	210	152	121	105	68.6	51.9	35.1	25.0	20.8	11.7	10.1
VRZ-250	263	190	151	131	85.8	64.9	43.9	31.3	26.0	14.6	12.6
VRZ-300	315	228	182	158	103	77.9	52.7	37.5	31.2	17.6	15.1
VRZ-350	343	257	208	184	119	90.0	60.9	43.8	35.6	20.5	17.6
VRZ-420	412	308	250	220	142	108	73.1	52.5	42.7	24.6	21.2
VRZ-490	480	359	291	257	166	126	85.3	62.5	49.8	28.7	24.7
VRZ-600	526	416	347	313	200	152	104	75.0	60.9	35.0	30.1
VRZ-800	702	554	463	418	266	202	139	100	81.2	46.7	40.2
VRZ-1000	877	693	579	522	333	253	174	125	102	58.4	50.2
VRZ-1200	1052	832	695	626	400	304	209	150	122	70.1	60.2
VRZ-1500	1157	970	844	781	492	377	257	188	152	87.4	75.2
VRZ-2000	1543	1293	1125	1041	656	503	343	250	203	117	100
VRZ-2500	1928	1617	1407	1302	820	628	428	313	253	146	125
VRZ-3000	2314	1940	1688	1562	984	754	514	375	304	175	150