

# SBS VRZ Series Maintenance-Free, Gel Batteries

VRLA Gelled Tubular Batteries 208AH - 3064AH (2V)

SBS Valve-Regulated VRZ batteries are especially suitable for applications with discharge over a long period in which maintenance-free operation is required. The electrolyte is a fixed gel.

### Applications:

- Telecommunications
- Industrial
- Reserve Power

### Features:

- 15-20 year design life
- Maintenance-free operation
- Gel tubular plate technology
- Leak-proof post seal
- High cycle life
- Tank formed plates
- Virgin lead
- Flame retardant ABS cover standard
- Flame retardant case available as option
- 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 material	Standard = ABS (flame-retardant VO case available)
Cover material	Flame retardant ABS, UL 94 VO rated
Specific gravity	Dilute sulfuric acid fixed as a gel
Post design	Leak-proof with brass insert
Intercells	Fully insulated flexible copper cables
Vent caps	Safety pressure release valve
Temp. range	30F to 130F (preferred temp. 77F or below)
Float Voltage	2.23 V/cell without need to equalize
Equalize Voltage	2.33-2.40 V/cell

### Technical Data

P/N	8Hr AH rate	Voltage (V)	Cell Dimensions* (in.)	Total Weight (lbs)	I.R. (mOhms)	# of pos. plates
VRZ-200	208	2	4.2L x 8.2W x 15.7H	43	0.92	4
VRZ-250	260	2	5.0L x 8.2W x 15.7H	52	0.74	5
VRZ-300	312	2	5.8L x 8.2W x 15.7H	62	0.63	6
VRZ-350	375	2	5.0L x 8.2W x 20.2H	68	0.57	5
VRZ-420	450	2	5.8L x 8.2W x 20.2H	80	0.49	6
VRZ-490	525	2	6.6L x 8.2W x 20.2H	93	0.43	7
VRZ-600	682	2	5.8L x 8.2W x 27.1H	110	0.55	6
VRZ-800	912	2	8.5L x 7.6W x 27.1H	150	0.40	8
VRZ-1000	1136	2	8.5L x 9.3W x 27.1H	180	0.32	10
VRZ-1200	1368	2	8.5L x 10.9W x 27.1H	213	0.27	12
VRZ-1500	1528	2	8.5L x 10.9W x 33.0H	264	0.28	12
VRZ-2000	2040	2	8.5L x 19.3W x 32.1H	352	0.21	16
VRZ-2500	2552	2	8.5L x 19.3W x 32.1H	440	0.17	20
VRZ-3000	3064	2	8.5L x 22.8W x 32.1H	528	0.14	24

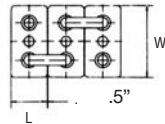
### Performance Data

Constant current discharge in Amps to 1.75V/cell

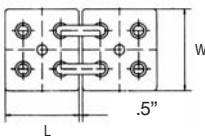
P/N	15'	30'	1h	2h	3h	4h	6h	8h	10h	24h
VRZ-200	219	174	121	76.7	56.5	45.6	33.0	26.0	21.3	11.0
VRZ-250	274	218	151	95.9	70.6	57.0	41.3	32.5	26.6	13.8
VRZ-300	329	261	182	115	84.8	68.4	49.5	39.0	32.0	16.5
VRZ-350	335	281	209	136	102	82.8	59.6	46.9	38.5	19.3
VRZ-420	402	337	251	163	122	99.4	71.5	56.3	46.2	23.1
VRZ-490	469	393	293	190	143	116	83.4	65.7	53.9	27.0
VRZ-600	500	435	344	238	182	149	108	85.3	71.3	35.1
VRZ-800	667	580	459	317	243	199	144	114	95.1	46.8
VRZ-1000	833	725	573	397	303	248	180	142	119	58.5
VRZ-1200	1000	870	688	476	364	298	216	171	143	70.2
VRZ-1500	1036	931	762	546	421	338	244	191	158	79.2
VRZ-2000	1381	1241	1016	728	561	451	325	255	211	105
VRZ-2500	1726	1551	1270	910	701	564	406	319	264	132
VRZ-3000	2072	1862	1524	1092	842	677	488	383	317	158



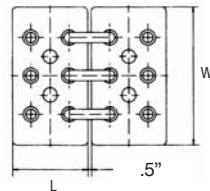
VRZ 200-600



VRZ 800-1500



VRZ 2000



VRZ 2500-3000

