



# VALVE-REGULATED BATTERIES

## 2AVR SERIES 4AVR SERIES

### FEATURES

- Pure lead positive grids
- Front access terminals
- Absorbed glass mat separators
- Tank formed plates
- Flame retardant Polyphenylene – Oxide/Polystyrene (PPO/PS)
- Flame arrestor
- Self sealing vents
- Epoxy post seals
- Design life 20 years @ 77°F (full float)



### SPECIFICATIONS

MODEL *	WIDTH	HEIGHT	DEPTH	WEIGHT	Ah CAP. @ 10 HR. RATE	FLOAT VOLTAGE
2AVR250E	3.54 in. 89.90 mm	9.36 in. 237.70 mm	16.78 in. 426.20 mm	53 – 55 lbs. 24 – 25 kg.	250	2.25 – 2.27
2AVR375E	3.54 in. 89.90 mm	9.36 in. 237.70 mm	24.50 in. 622.30 mm	80 – 83 lbs. 36 – 38 kg.	375	2.25 – 2.27
4AVR125E	3.54 in. 89.90 mm	9.90 in. 251.10 mm	15.50 in. 397.70 mm	53 – 55 lbs. 24 – 25 kg.	125	4.50 – 4.54
4AVR125EL	3.54 in. 89.90 mm	9.36 in. 237.70 mm	16.78 in. 426.20 mm	53 – 55 lbs. 24 – 25 kg.	125	4.50 – 4.54

\* Batteries with 250Ah and 375Ah rating have only the low profile top cover and are available in one height size (9.36")  
 The 4AVR125E battery with 125 Ah rating has the high profile top cover and a height of 9.90"  
 The 4AVR125EL battery with 125Ah rating has the low profile top cover and a height of 9.36"



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RECOMMENDED STRING FLOAT VOLTAGE

Module Type	12-Module Plants		23-Module Plants		24-Module Plants	
	Volts/Module	Volts/String	Volts/Module	Volts/String	Volts/Module	Volts/String
2AVR250E	—	—	2.25	51.75 ± 0.23	2.25	54.00 ± 0.24
2AVR375E						
4AVR125E	4.50	54.00 ± 0.24	—	—	—	—
4AVR125EL						

**2AVR250E** CONSTANT CURRENT DISCHARGE DATA

Hours Reserve @ 77°F (25°C)	END VOLTS PER BATTERY							
	1.75	1.80	1.82	1.84	1.86	1.88	1.90	1.92
1	107.9	100.4	96.5	91.9	87.6	86.1	79.7	72.7
3	56.1	55.2	54.5	53.5	52.3	50.8	48.9	46.7
5	41.1	40.7	40.2	39.5	38.7	37.6	36.0	34.0
8	29.7	29.1	28.9	28.5	27.9	27.2	26.1	24.9
10	25.2	24.9	24.6	24.3	23.9	23.3	22.5	21.6
15	19.0	18.7	18.7	18.4	18.1	17.7	17.1	16.6
20	15.0	14.9	14.7	14.6	14.3	14.1	13.6	13.1
24	12.9	12.8	12.7	12.6	12.3	12.1	11.7	11.3

**2AVR375E** CONSTANT CURRENT DISCHARGE DATA

Hours Reserve @ 77°F (25°C)	END VOLTS PER BATTERY							
	1.75	1.80	1.82	1.84	1.86	1.88	1.90	1.92
1	161.8	150.6	144.7	137.9	131.4	129.1	119.6	109.0
3	84.1	82.8	81.7	80.2	78.4	76.2	73.3	70.0
5	61.7	61.0	60.3	59.3	58.1	56.4	54.0	51.0
8	44.5	43.7	43.3	42.8	41.9	40.8	39.2	37.4
10	37.8	37.3	36.9	36.5	35.9	35.0	33.8	32.4
15	28.5	28.1	28.0	27.6	27.2	26.6	25.7	24.9
20	22.5	22.3	22.1	21.9	21.5	21.1	20.4	19.6
24	19.4	19.2	19.1	18.9	18.5	18.2	17.6	16.9

**4AVR125E(L)** CONSTANT CURRENT DISCHARGE DATA

Hours Reserve @ 77°F (25°C)	END VOLTS PER BATTERY							
	1.75	1.80	1.82	1.84	1.86	1.88	1.90	1.92
1	55.1	52.1	50.3	48.2	45.9	43.6	42.2	38.8
3	28.1	27.7	27.5	27.0	26.5	25.8	24.9	23.6
5	20.6	20.4	20.2	19.9	19.5	19.0	18.3	17.2
8	14.8	14.6	14.5	14.3	14.1	13.7	13.2	12.6
10	12.6	12.4	12.3	12.2	12.0	11.7	11.4	10.9
15	9.4	9.3	9.2	9.1	9.0	8.9	8.6	8.3
20	7.5	7.4	7.4	7.3	7.2	7.0	6.8	6.6
24	6.5	6.4	6.4	6.3	6.2	6.1	5.9	5.7