

AGM SERIES—Long Life Standby Batteries

AGM-100 (2V100AH)

Specifications

Nominal Voltage	2V	
Nominal Capacity	100Ah (8Hr to 1.75 V/cell @ 77°F)	
Dimensions	Length	6.69 inches
	Width	2.83 inches
	Height (with Terminal)	8.35 inches
Weight	13.2 lbs.	
Container Material	ABS (V0 flame retardant case and cover optional)	
Hardware / Torque Rating	M6 / 35–48 in. lbs.	
Preferred Operating Temp.	68–77 °F	
Operating Temp Range	Discharge:	-15~55°C (5~130°F)
	Charge:	0~40°C (32~104°F)
	Storage:	-15~40°C (32~104°F)
Internal Resistance	Approx. 1.4mOhms	
Max. Discharge Current	800A (5s)	
Float Voltage	2.25V at 77°F	
Equalize Voltage	2.35V at 77°F	
Max. Charge Current Allowed	20 Amps	
Self Discharge	The AGM 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
- UPS
- Oil and gas
- Railways



Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	15 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h
1.85 V/cell	100	75.0	60.2	50.2	31.1	23.7	19.4	16.5	14.4	12.1	9.63
1.80 V/cell	114	80.5	63.3	52.5	32.5	24.9	20.3	17.2	15.1	12.3	10.0
1.75 V/cell	125	85.3	66.6	54.7	33.8	25.7	21.0	17.7	15.4	12.5	10.1
1.70 V/cell	134	89.5	69.1	56.6	35.2	26.5	21.4	18.1	15.7	12.7	10.3
1.65 V/cell	141	93.8	72.1	58.7	36.3	27.1	21.9	18.4	16.0	12.9	10.4

Constant Current Discharge (Watts) at 25°C (77°F)

F.V/Time	15 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h
1.85 V/cell	190	143	115	97.0	60.5	46.4	38.1	32.6	28.5	23.8	19.2
1.80 V/cell	213	152	120	100	62.9	48.4	39.6	33.8	29.7	24.3	19.9
1.75 V/cell	231	160	126	104	65.2	49.9	40.8	34.7	30.3	24.7	20.1
1.70 V/cell	244	166	130	107	67.5	51.3	41.6	35.2	30.8	25.0	20.3
1.65 V/cell	254	173	135	111	69.4	52.2	42.3	35.8	31.2	25.3	20.5

T6 Terminal

Unit: mm [inches]

