

E-AGM SERIES—Long Life Standby Batteries

E-AGM-500 (2V500AH)



Specifications	
Nominal Voltage	2V
Nominal Capacity	500Ah (8 Hr to 1.75 V/cell @ 77°F)
Dimensions	Length 7.66 inches
	Width 7.26 inches
	Height (with Terminal) 14.65 inches
Weight	64.9lbs.
Container Material	ABS (V0 flame retardant case and cover optional)
Hardware / Torque Rating	M8 / 98–130 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. 0.33mOhms
Max. Discharge Current	4000A (5s)
Float Voltage	2.25V at 77°F
Equalize Voltage	2.35V at 77°F
Max. Charge Current Allowed	100 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	483	353	287	239	151	119	99.1	85.0	74.7	60.1	50.0
1.80 V/cell	545	396	317	264	167	126	102	88.0	77.2	61.9	51.4
1.75 V/cell	578	423	341	282	175	130	106	90.1	79.2	63.1	52.6
1.70 V/cell	610	455	357	296	181	134	109	92.7	80.5	63.9	53.4
1.65 V/cell	651	495	381	310	188	138	110	93.5	81.6	65.0	54.2
1.60 V/cell	698	517	398	327	193	141	113	95.8	82.7	65.9	54.7

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	917	722	595	506	337	256	214	181	155	121	102
1.80 V/cell	1007	812	655	556	366	271	223	190	163	125	106
1.75 V/cell	1057	842	675	569	373	281	230	196	168	129	108
1.70 V/cell	1098	871	700	592	387	291	235	200	172	134	110
1.65 V/cell	1139	893	732	622	398	302	243	205	176	137	113
1.60 V/cell	1186	945	784	673	434	322	257	213	182	142	116

