

E-AGM SERIES—Long Life Standby Batteries

E-AGM-300 (2V300AH)



Specifications	
Nominal Voltage	2V
Nominal Capacity	300Ah (8 Hr to 1.75 V/cell @ 77°F)
Dimensions	Length 4.84 inches
	Width 7.26 inches
	Height (with Terminal) 14.65 inches
Weight	40.7 lbs.
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. 0.47mOhms
Max. Discharge Current	2400A (5s)
Float Voltage	2.25V at 77°F
Equalize Voltage	2.35V at 77°F
Max. Charge Current Allowed	60 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	290	212	172	143	90.6	71.6	59.5	51.0	44.8	36.1	30.0
1.80 V/cell	327	238	190	159	100	75.4	61.4	52.8	46.3	37.1	30.8
1.75 V/cell	347	254	204	169	105	77.8	63.6	54.1	47.5	37.8	31.5
1.70 V/cell	366	273	214	178	109	80.3	65.3	55.6	48.3	38.3	32.0
1.65 V/cell	390	297	229	186	113	82.7	66.2	56.1	48.9	39.0	32.5
1.60 V/cell	419	310	239	196	116	84.8	68.0	57.5	49.6	39.6	32.8

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	550	433	357	303	202	154	129	109	92.8	72.8	61.4
1.80 V/cell	604	487	393	334	220	162	134	114	98.0	75.2	63.9
1.75 V/cell	634	505	405	342	224	168	138	117	101	77.2	64.8
1.70 V/cell	659	523	420	355	232	175	141	120	103	80.2	65.8
1.65 V/cell	683	536	439	373	239	181	146	123	105	82.0	67.8
1.60 V/cell	712	567	470	404	261	193	154	128	109	85.1	69.5

