

# E-AGM Series Batteries

E-AGM-500 (2V500AH)

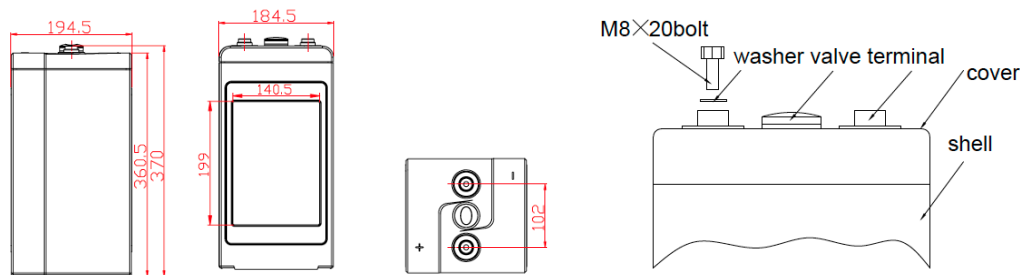
## Specifications

Battery Model	Eos-500			
Nominal Voltage	2V			
Capacity (25°C)	10HR (50A, 1.80V)	3HR (125A, 1.80V)	1HR (275A, 1.75V)	
	500AH	375AH	275AH	
Dimensions	Length	Width	Height	Total Height
	194.5mm	184.5mm	360.5mm	370mm
Approx. Weight	28kg			
Internal Resistance	Approx 0.44mΩ			
Short Circuit Current	4729A			
Max Charge Current Allowed	125A			
Charge Voltage (25°C)	Cycle Use		Float Use	
	2.35V/cell		2.25V/cell	
Temperature Ranges	Operation (maximum):		-40°C to 55°C (-40°F to 131°F)	
	Operation (recommended):		15°C to 25°C (59°F to 77°F)	
	Storage:		-20°C to 40°C (-4°F to 104°F)	
Terminal	M8 Female			
Terminal Hardware Torque	>10N m			
Container Material	ABS (V0 optional)			
Self Discharge	The residual capacity is above 94% after 90 days storage (77°F /25°C)			



## Applications:

- Telecommunications
- Utility
- UPS
- Oil and gas
- Railways



## Constant Current Discharge (Amps) at 77°F (25°C)

End Voltage	1h	2h	3h	5h	8h	10h	12h	20h
1.65V	290	185	135	100	62	54	45.9	28.4
1.70V	285	180	130	95	60	53	45.1	27.8
1.75V	280	175	128	90	58	52	44.2	27.3
1.80V	276	170	126	85	56	51	43.3	26.8

## Constant Power Discharge (Watt/Cell) at 25°C (77°F)

End Voltage	1h	2h	3h	5h	8h	10h	12h	20h
1.65V	575	365	285	205	130	120	102	56.8
1.70V	565	355	280	200	126	115	97.7	55.6
1.75V	550	350	275	195	122	110	93.5	54.6
1.80V	540	345	270	185	118	106	90.1	53.6