

E-AGM Series Batteries

E-AGM-300 (2V300AH)

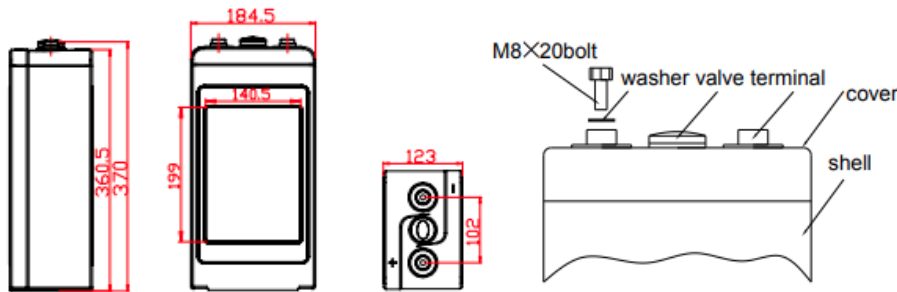


Specifications

Battery Model	Eos-300			
Nominal Voltage	2V			
Capacity (25°C)	10HR (30A, 1.80V)	3HR (75A, 1.80V)	1HR (165A, 1.75V)	
	300AH	225AH	165AH	
Dimensions	Length	Width	Height	Total Height
	123mm	184.5mm	360.5mm	370mm
Approx. Weight	17.5kg			
Internal Resistance	Approx 0.52mΩ			
Short Circuit Current	3690A			
Max Charge Current Allowed	75A			
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	182	113	83.4	55.8	37.8	32.4	27.5	17.0
1.70V	178	112	82.0	55.2	37.2	31.8	27.0	16.7
1.75V	171	109	81.0	54.6	36.6	31.2	26.5	16.4
1.80V	160	104	78.6	52.8	36.0	30.6	26.0	16.1

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

End Voltage	1h	2h	3h	5h	8h	10h	12h	20h
1.65V	315	207	155	107	74.4	62.4	53.0	32.8
1.70V	308	205	154	106	73.8	61.8	52.5	32.4
1.75V	296	201	153	105	73.2	61.2	52.0	32.1
1.80V	277	194	149	104	72.6	60.6	51.5	31.8