

stored energy solutions for a demanding world

Narada

Model: EosG300

EosG Series

The EosG range of gel technology batteries offers outstanding performance including a 15+ years design life. The EosG series batteries is designed based on the Eos series, using the polymer gel electrolyte. Built to the highest standards and compliant with the latest IEC60896-21/22 standard.this range also offers 100% capacity out-of-the-box and is capable of handling deep discharges for complete peace of mind. The use of flexible connectors and the ability to be installed both horizontally and vertically allows for multiple installation possibilities.



Specifications

Battery Model	EosG300			
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	372mm
Approx. Weight	19.0kg			
Internal Resistance	0.48mΩ			
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	15 ± 1. 0Nm			
Container Material	ABS (V0 optional)			

Constant Current Discharge Characteristics Units: Amperes (25°C, 77°F)

End voltage per cell	5min	15min	30min	1hr	2hr	3hr	5hr	6hr	8hr	10hr	24hr	48hr	100hr
1. 60V	521. 4	438. 6	313. 2	198. 0	116. 9	85. 8	58. 2	50. 2	40. 0	33. 2	15. 0	7. 8	4. 2
1. 65V	496. 8	418. 8	300. 0	187. 8	114. 2	83. 7	56. 7	49. 5	39. 5	32. 9	14. 9	7. 7	4. 2
1. 70V	466. 8	400. 2	276. 0	179. 4	110. 0	81. 3	56. 3	48. 9	38. 8	32. 4	14. 8	7. 7	4. 1
1. 75V	435. 6	369. 0	256. 5	171. 0	106. 2	78. 7	54. 7	48. 1	38. 3	31. 9	14. 7	7. 6	4. 0
1. 80V	399. 7	330. 0	240. 0	160. 2	101. 6	76. 3	53. 4	46. 9	37. 6	31. 2	14. 4	7. 5	3. 9
1. 85V	353. 9	292. 6	214. 0	144. 6	91. 7	72. 4	51. 6	45. 4	36. 5	30. 4	13. 9	7. 3	3. 7
1. 90V	300. 6	244. 8	183. 6	128. 4	86. 0	67. 9	49. 7	43. 7	35. 1	29. 3	13. 6	7. 1	3. 6

Discharge Data with Constant Power Units: Watts per cell (25°C, 77°F)

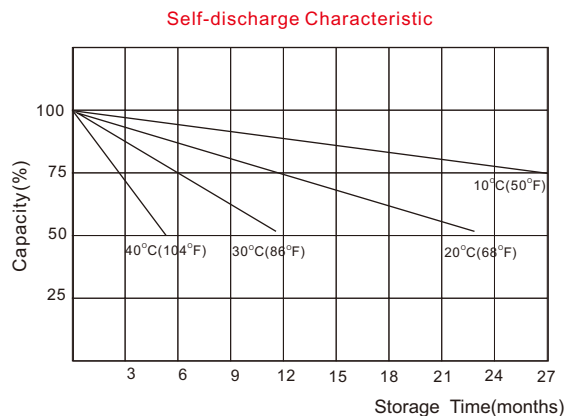
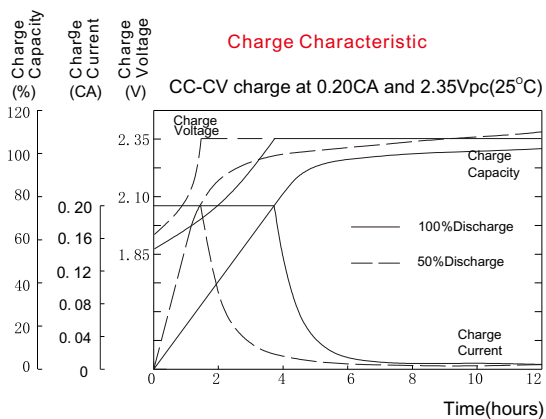
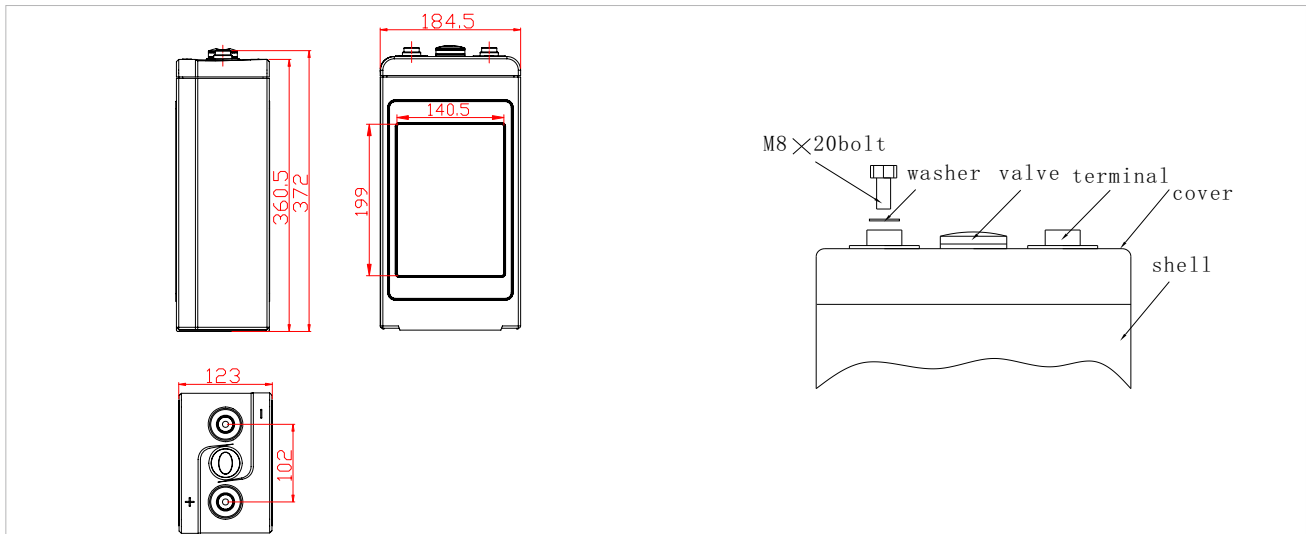
End voltage per cell	5min	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr
1. 60V	853. 9	715. 1	569. 4	402. 6	259. 8	192. 4	153. 5	127. 1	108. 6	84. 8	69. 3	31. 2
1. 65V	812. 1	686. 3	538. 6	372. 0	238. 3	180. 6	145. 6	122. 7	105. 1	81. 7	67. 6	30. 6
1. 70V	780. 8	661. 9	525. 2	354. 3	231. 4	174. 2	140. 6	119. 9	103. 0	79. 9	65. 6	30. 0
1. 75V	756. 4	637. 1	507. 3	340. 5	223. 2	167. 8	137. 7	116. 9	100. 7	77. 0	64. 6	29. 8
1. 80V	735. 5	607. 2	489. 4	332. 6	219. 1	161. 8	133. 2	113. 7	97. 7	75. 0	63. 7	29. 3
1. 85V	668. 9	553. 0	435. 1	302. 5	201. 3	153. 3	128. 1	108. 4	92. 5	72. 5	61. 2	28. 1
1. 90V	590. 3	479. 9	367. 0	260. 5	174. 7	142. 1	119. 3	101. 3	86. 4	67. 9	56. 7	26. 3

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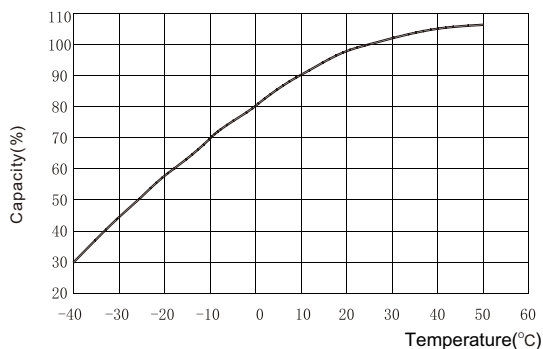
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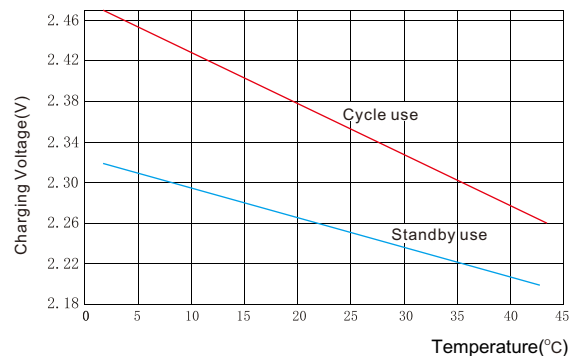
EosG Series



Temperature Effects on Capacity



Relationship Between Charging Voltage and Temperature



NARADA POWER SOURCE CO.,LTD.
9F, Building A, No. 50 Zijinghua Road, Hangzhou, China
Tel: +86-571-28827013 Fax: +86-571-28828290
Website: www.naradabattery.com E-mail: intl@narada.biz

NARADA ASIA PACIFIC PTE.LTD.
65 Ubi Crescent #07-05 HOLA centre, Singapore
Tel: +65-6848 1191 Fax: +65-6749 3498
E-mail: sales@narada.com.sg

NARADA EUROPE (UK) LIMITED
Spectrum House, Dunstable Road, Redbourn,
St. Albans, Herts AL3 7PR
Tel: +44 (0)845 371 7095 Fax: +44 (0)845 612 2031
E-mail: sales@naradaeurope.com

