

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	18.5kg			
Internal Resistance	Approx 0.45mΩ			
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	>10Nm			
Container Material	ABS (V0 optional)			

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

End voltage per cell	5min	10min	15min	20min	30min	40min	50min	1h	2h	3h	5h	8h	10h
1.60V	714	581	/	/	/	/	/	/	/	/	/	/	/
1.65V	627	541	449	398	306	265	224	213	113	83	61	38	33.7
1.70V	592	490	413	347	286	250	219	209	110	80	58	37	32.6
1.75V	500	428	388	326	281	235	209	206	107	79	55	36	31.6
1.80V	/	/	347	286	250	199	184	203	104	78	52	35	31.1

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

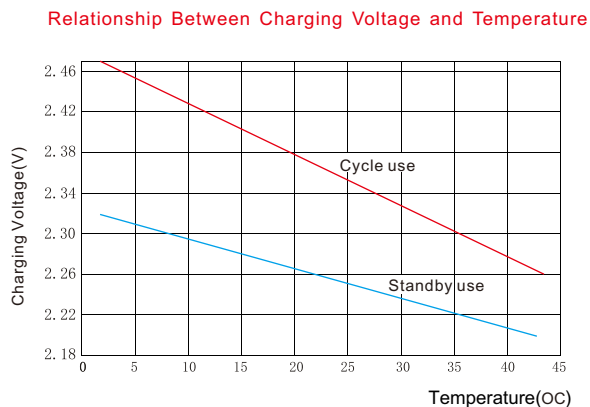
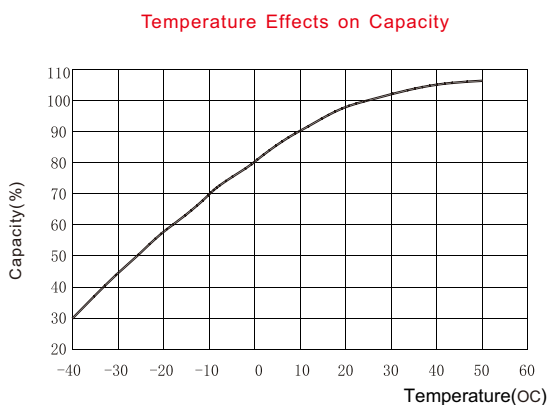
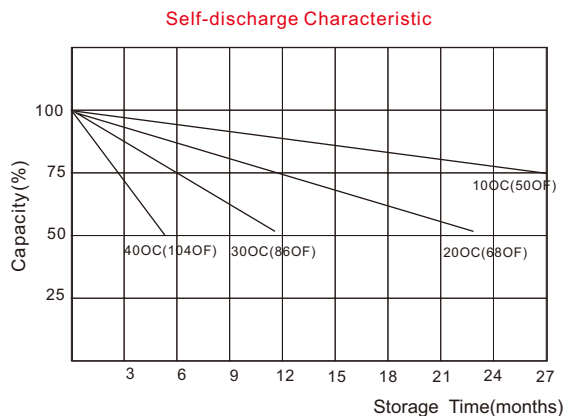
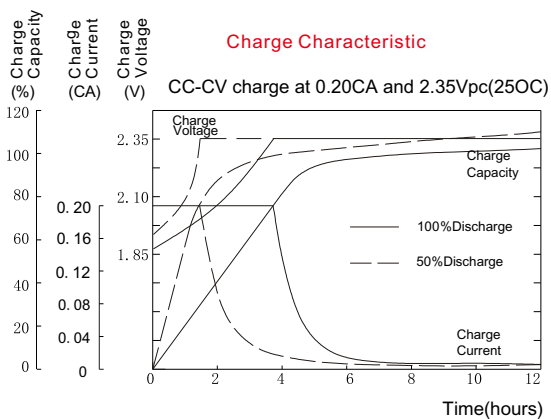
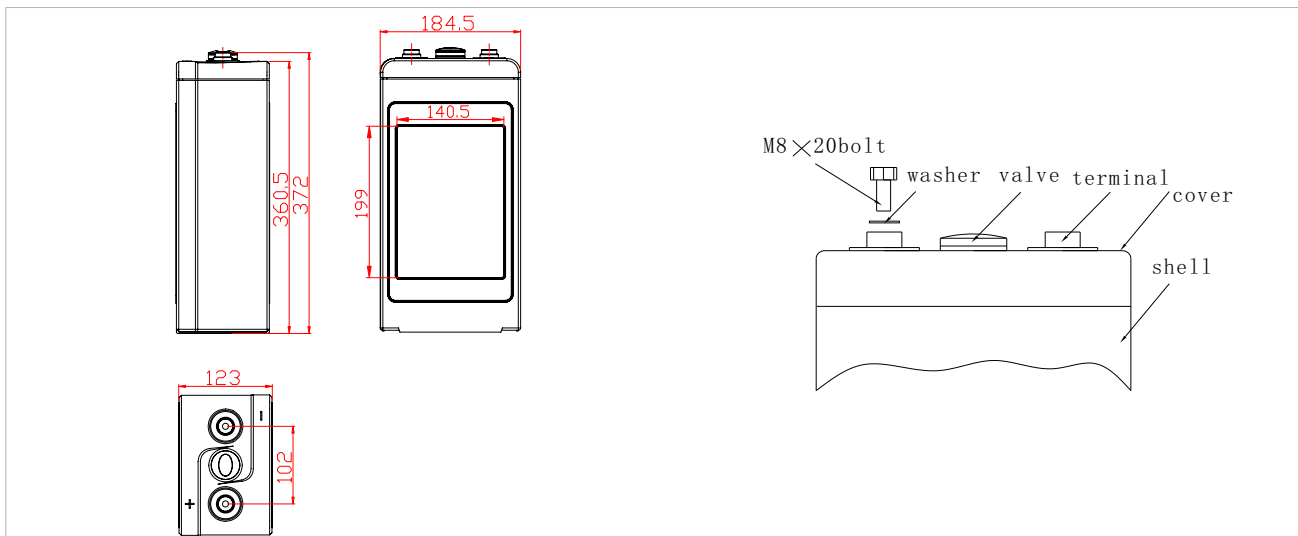
End voltage per cell	5min	10min	15min	20min	30min	40min	50min	1h	2h	3h	5h	10h
1.60V	1183	969	/	/	/	/	/	/	/	/	/	/
1.65V	1081	928	775	714	561	479	408	422	223	174	125	72
1.70V	1000	857	745	643	551	464	398	416	217	171	122	70
1.75V	918	806	704	627	541	449	388	404	214	168	119	67
1.80V	/	/	643	551	490	428	377	392	214	165	113	65

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