

stored energy solutions for a demanding world



**Model: EosG500**

**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	EosG500			
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	372mm
Approx. Weight	30.0kg			
Internal Resistance	0.33mΩ			
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	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	869	731	522	330	194.9	143.0	97.0	83.7	66.7	55.4	24.9	13.00	7.06
1.65V	828	698	500	313	190.4	139.5	94.6	82.6	65.8	54.8	24.8	12.90	6.95
1.70V	778	667	460	299	183.3	135.5	93.8	81.5	64.6	54.0	24.7	12.79	6.85
1.75V	726	615	427	285	176.9	131.2	91.2	80.2	63.8	53.2	24.4	12.64	6.66
1.80V	666	550	400	267	169.3	127.2	89.1	78.1	62.6	52.0	24.0	12.43	6.45
1.85V	590	488	357	241	152.8	120.7	86.1	75.6	60.8	50.6	23.2	12.14	6.24
1.90V	501	408	306	214	143.3	113.2	82.9	72.8	58.5	48.9	22.7	11.80	5.95

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

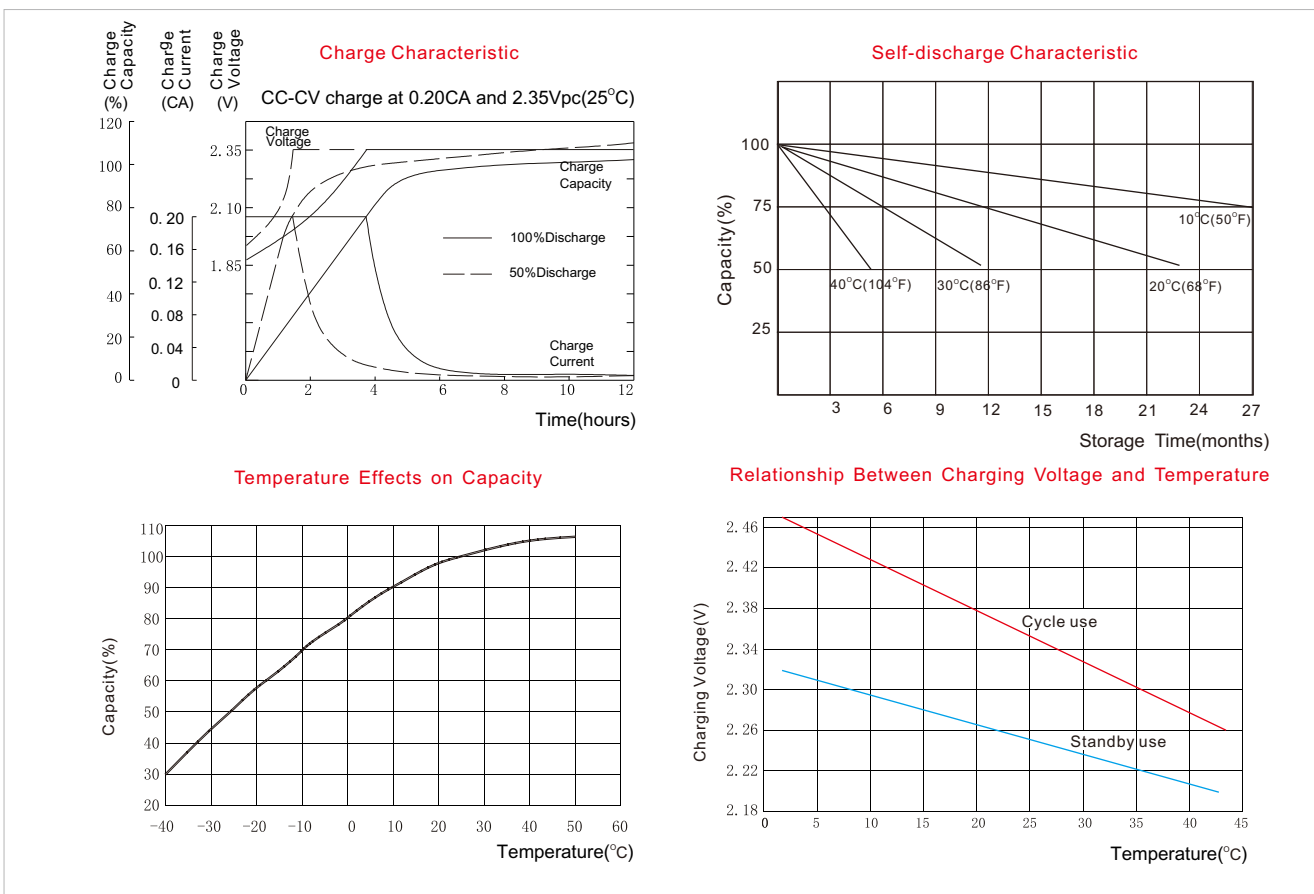
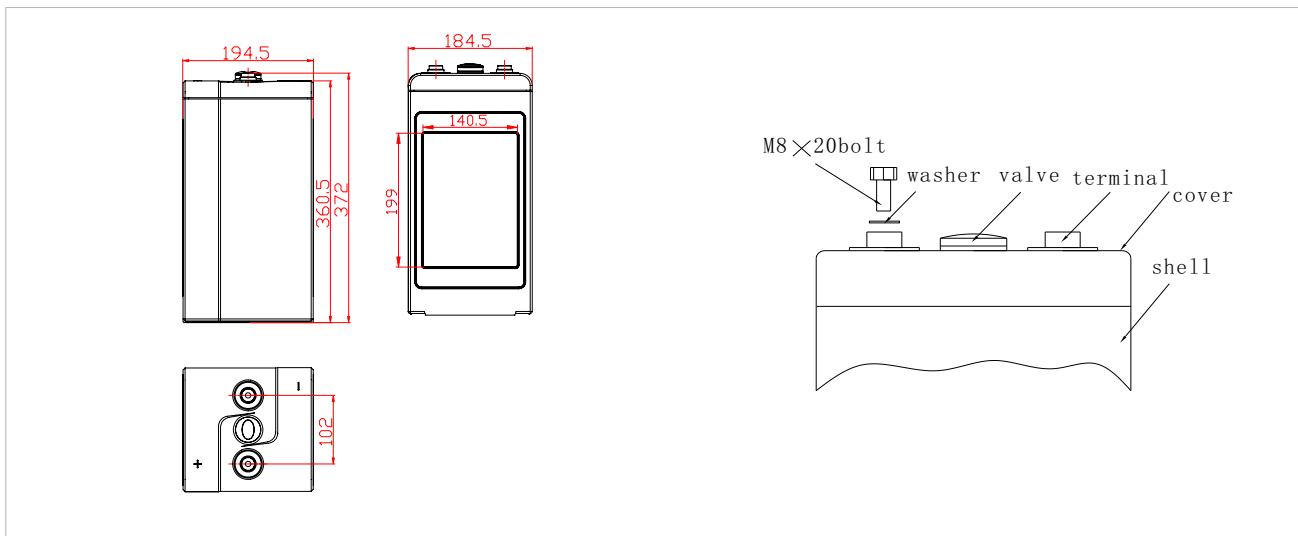
End voltage per cell	5min	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr
1.60V	1434.6	1201.5	956.7	676.5	436.5	323.3	257.8	213.6	182.4	142.6	116.4	52.5
1.65V	1364.4	1153.0	904.9	625.1	400.4	303.4	244.6	206.1	176.6	137.3	113.6	51.5
1.70V	1311.8	1112.1	882.3	595.2	388.8	292.6	236.3	201.4	173.1	134.3	110.3	50.5
1.75V	1270.8	1070.3	852.2	572.0	375.0	281.9	231.3	196.5	169.1	129.3	108.6	50.0
1.80V	1235.8	1020.2	822.2	558.7	368.1	271.9	223.8	191.0	164.1	126.0	106.9	49.2
1.85V	1123.8	929.1	731.1	508.2	338.2	257.5	215.2	182.0	155.4	121.9	102.8	47.3
1.90V	991.8	806.3	616.6	437.7	293.5	238.8	200.4	170.1	145.2	114.0	95.3	44.3

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**NARADA**

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