

stored energy solutions for a demanding world

NARADA

Model: EosG200

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	EosG200			
Nominal Voltage	2V			
Capacity (25°C)	10HR(20A,1.80V)	3HR(50A,1.80V)		1HR(110A,1.75V)
	200AH	150AH		110AH
Dimensions	Length	Width	Height	Total Height
	94.5mm	184.5mm	360.5mm	372mm
Approx. Weight	13.5kg			
Internal Resistance	0.67mΩ			
Max Charge Current Allowed	50A			
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	347.6	292.4	208.8	132.0	77.9	57.2	38.8	33.5	26.7	22.2	10.0	5.2	2.8
1.65V	331.2	279.2	200.0	125.2	76.1	55.8	37.8	33.0	26.3	21.9	9.9	5.2	2.8
1.70V	311.2	266.8	184.0	119.6	73.3	54.2	37.5	32.6	25.8	21.6	9.9	5.1	2.7
1.75V	290.4	246.0	171.0	114.0	70.8	52.5	36.5	32.1	25.5	21.3	9.8	5.1	2.7
1.80V	266.5	220.0	160.0	106.8	67.7	50.9	35.6	31.3	25.0	20.8	9.6	5.0	2.6
1.85V	235.9	195.1	142.7	96.4	61.1	48.3	34.4	30.3	24.3	20.2	9.3	4.9	2.5
1.90V	200.4	163.2	122.4	85.6	57.3	45.3	33.1	29.1	23.4	19.6	9.1	4.7	2.4

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	573.8	480.6	382.7	270.6	174.6	129.3	103.1	85.4	73.0	57.0	46.6	21.0
1.65V	545.8	461.2	362.0	250.0	160.2	121.4	97.8	82.4	70.6	54.9	45.4	20.6
1.70V	524.7	444.8	352.9	238.1	155.5	117.1	94.5	80.6	69.2	53.7	44.1	20.2
1.75V	508.3	428.1	340.9	228.8	150.0	112.7	92.5	78.6	67.6	51.7	43.4	20.0
1.80V	494.3	408.1	328.9	223.5	147.2	108.8	89.5	76.4	65.7	50.4	42.8	19.7
1.85V	449.5	371.6	292.4	203.3	135.3	103.0	86.1	72.8	62.2	48.7	41.1	18.9
1.90V	396.7	322.5	246.7	175.1	117.4	95.5	80.1	68.0	58.1	45.6	38.1	17.7

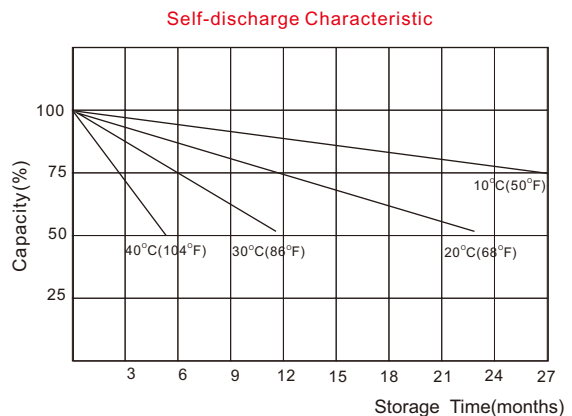
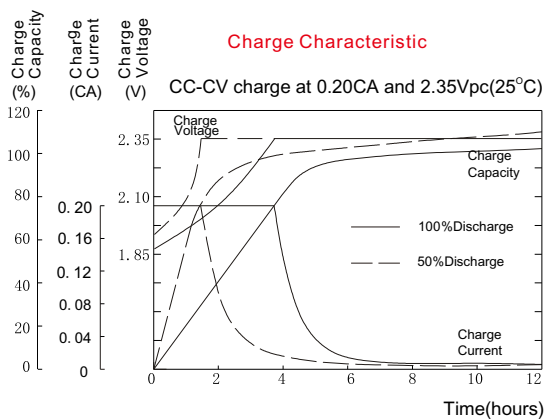
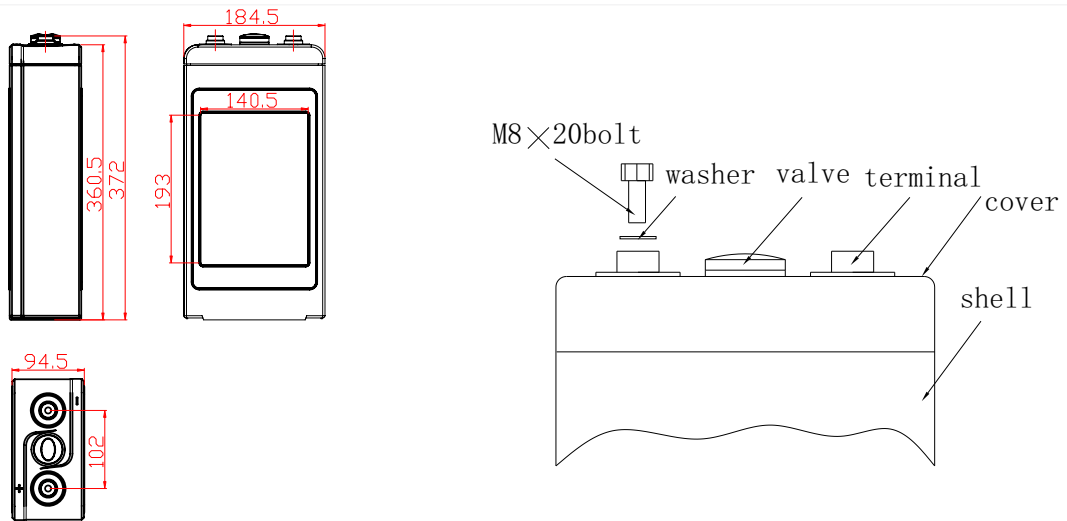
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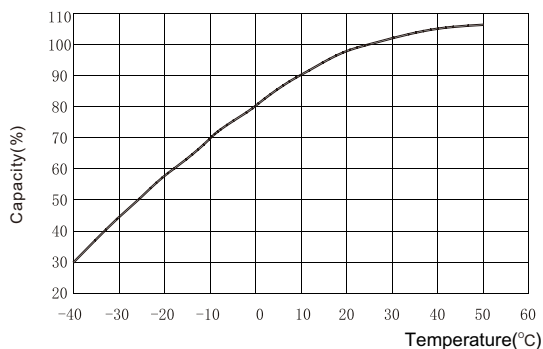
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EosG Series

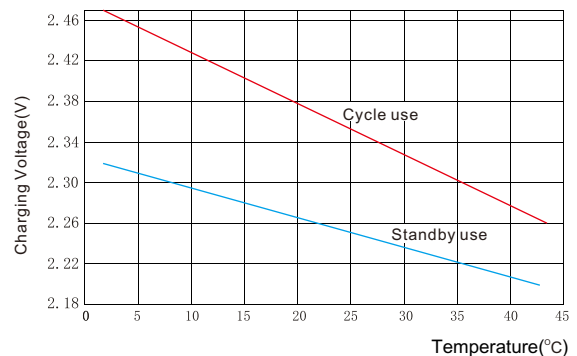
Dimensions (mm)



Temperature Effects on Capacity



Relationship Between Charging Voltage and Temperature



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