

stored energy solutions for a demanding world

NARADA

Model: EosG600

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	EosG600			
Nominal Voltage	2V			
Capacity (25°C)	10HR(60A, 1.80V)	3HR(150A, 1.80V)		1HR(330A, 1.75V)
	600AH	450AH		330AH
Dimensions	Length	Width	Height	Total Height
	223mm	184.5mm	360.5mm	372mm
Approx. Weight	35.5kg			
Internal Resistance	0.28mΩ			
Max Charge Current Allowed	150A			
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)			

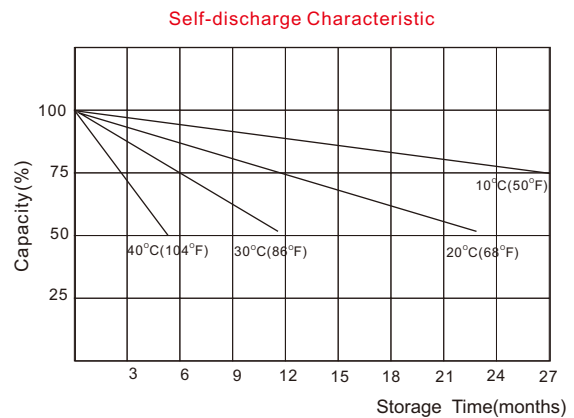
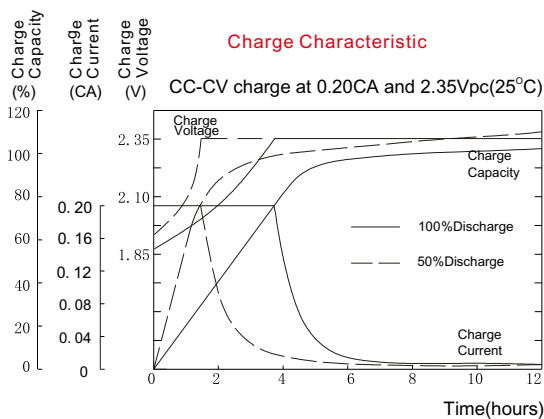
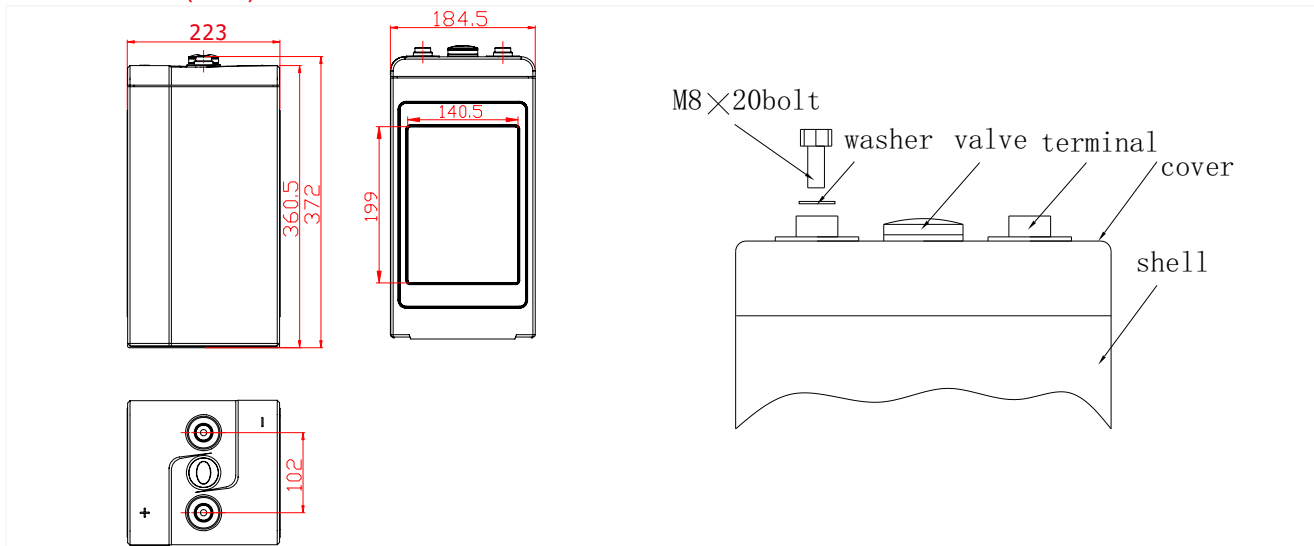
Constant Current Discharge Characteristics Units: Amperes (25°C, 77°F)

End voltage per cell	5min	15min	30min	1hr	2hr	3hr	5hr	6hr	8hr	10hr	24hr	48hr	100hr
1. 60V	1042.8	877.2	626.3	396.0	233.8	171.6	116.4	100.4	80.1	66.5	29.9	15.6	8.5
1. 65V	993.6	837.6	599.9	375.6	228.4	167.4	113.5	99.1	79.0	65.8	29.8	15.5	8.3
1. 70V	933.6	800.4	551.9	358.8	220.0	162.5	112.5	97.7	77.5	64.8	29.7	15.4	8.2
1. 75V	871.2	738.0	512.9	342.0	212.3	157.5	109.4	96.2	76.6	63.8	29.3	15.2	8.0
1. 80V	799.4	659.9	480.0	320.4	203.2	152.7	106.9	93.8	75.1	62.4	28.9	14.9	7.7
1. 85V	707.8	585.2	428.0	289.2	183.3	144.9	103.3	90.8	73.0	60.7	27.9	14.6	7.5
1. 90V	601.2	489.6	367.2	256.8	171.9	135.9	99.4	87.4	70.2	58.7	27.3	14.2	7.1

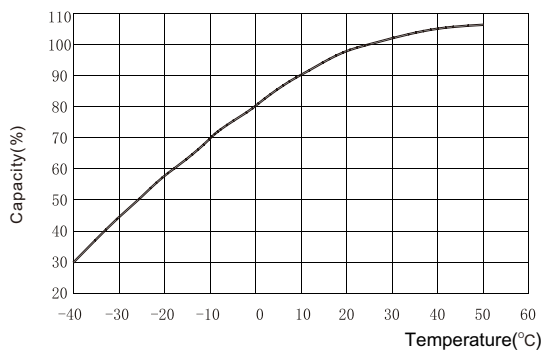
Discharge Data with Constant Power Units: Watts per cell (25°C, 77°F)

End voltage per cell	5min	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr
1. 60V	1706.0	1428.8	1137.7	804.5	519.0	384.5	306.6	254.0	216.9	169.5	138.4	62.4
1. 65V	1622.6	1371.2	1076.1	743.3	476.2	360.8	290.8	245.1	210.0	163.3	135.1	61.2
1. 70V	1560.0	1322.5	1049.3	707.8	462.4	348.0	281.0	239.6	205.8	159.7	131.1	60.0
1. 75V	1511.3	1272.8	1013.5	680.2	446.0	335.2	275.1	233.6	201.1	153.8	129.1	59.4
1. 80V	1469.6	1213.2	977.7	664.5	437.7	323.4	266.2	227.1	195.2	149.8	127.2	58.6
1. 85V	1336.4	1104.9	869.4	604.3	402.2	306.2	255.9	216.5	184.8	144.9	122.2	56.2
1. 90V	1179.4	958.8	733.3	520.5	349.0	283.9	238.3	202.3	172.7	135.6	113.4	52.6

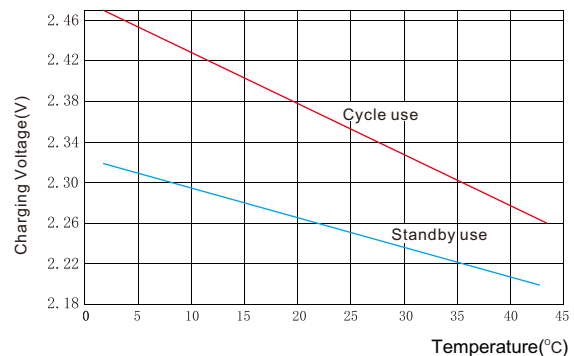
Dimensions (mm)



Temperature Effects on Capacity



Relationship Between Charging Voltage and Temperature



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