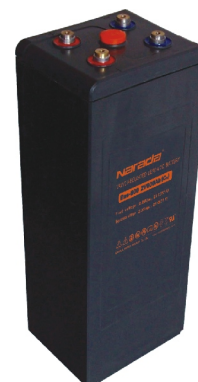


**Model: EOS-800**

**Eos**

The Eos range of VRLA batteries offers outstanding performance including a 15+ year design life and a cycle life in excess of 1200 cycles to 80% DOD. 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. This robust design uses the latest AGM technology to create a range that is suitable for many applications including both fixed and mobile telecoms, UPS, utilities and solar.



**Specifications**

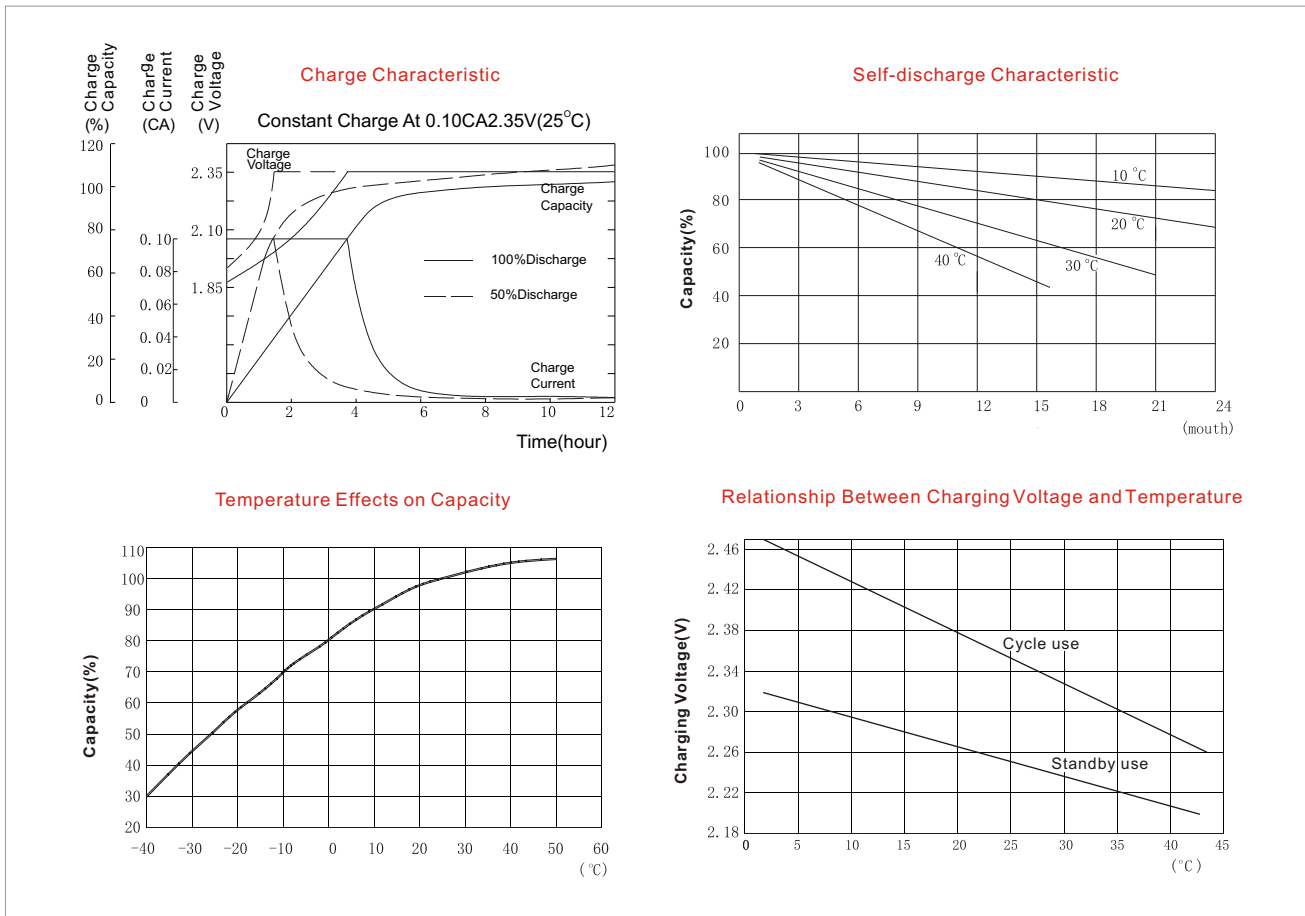
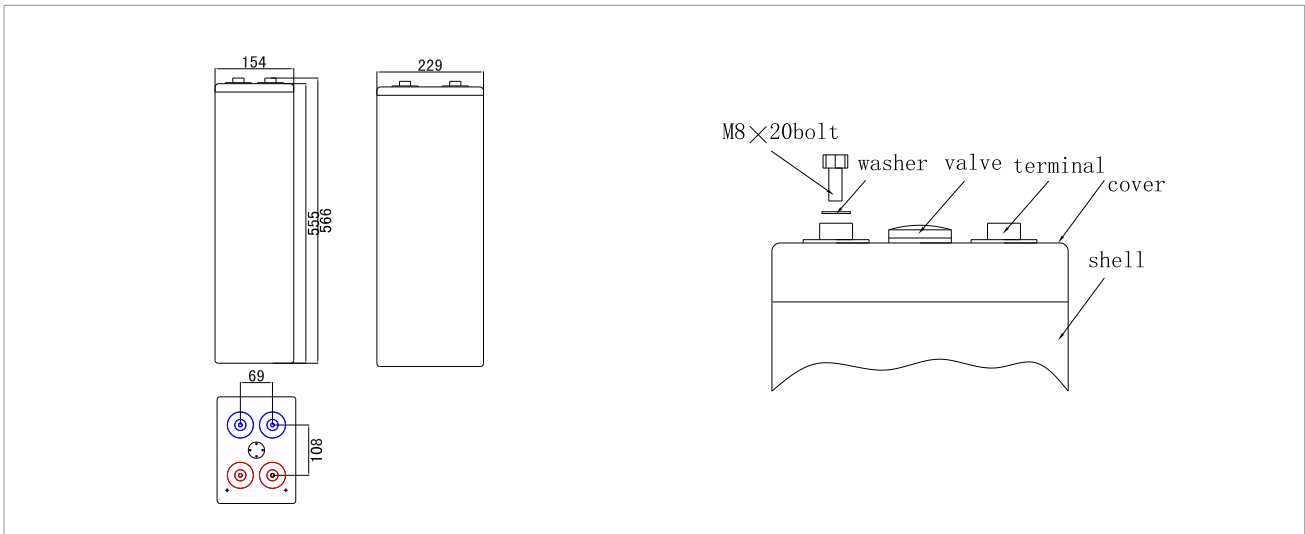
Battery Model	EOS-800			
Nominal Voltage	2V			
Capacity(25°C)	10HR(80A,1.80V)	3HR(200A,1.80V)		1HR(440A,1.75V)
	800AH	600AH		440AH
Dimensions	Length	Width	Height	Total Height
	154mm	229mm	555mm	566mm
Approx.Weight	52kg			
Internal Resistance	0.21mΩ			
Max Charge Current Allowed	200A			
Charge Voltage(25°C)	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)**

F.V/Time	5MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	24HR
1.60V	1158.3	974.6	792.0	521.9	320.8	235.5	154.0	103.9	86.0	39.9
1.65V	1086.2	917.4	722.3	492.6	311.7	229.2	152.1	103.0	85.5	39.3
1.70V	1020.8	868.1	660.5	468.1	301.0	218.9	148.3	101.5	84.2	39.1
1.75V	963.0	817.1	609.0	441.9	289.9	213.8	145.7	100.1	83.5	38.8
1.80V	909.7	762.0	570.2	419.8	281.2	209.1	142.4	98.2	82.4	38.0
1.83V	842.6	701.4	532.2	396.0	269.3	202.8	140.2	97.6	82.0	38.0
1.85V	781.1	648.2	501.3	370.7	253.4	191.8	133.5	94.2	79.0	36.9
1.88V	717.1	586.3	464.1	336.6	235.6	180.8	127.2	90.8	76.0	35.8
1.90V	639.7	511.8	416.6	306.5	211.9	171.3	120.9	85.4	72.0	34.4
1.94V	575.8	465.2	382.5	275.6	189.1	146.9	106.3	76.6	65.3	30.6

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

F.V/Time	5MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	24HR
1.60V	1969.1	1656.9	1369.4	998.7	635.2	471.2	320.8	229.7	190.1	90.5
1.65V	1900.8	1605.4	1316.3	967.2	608.9	459.4	312.8	224.5	185.3	88.3
1.70V	1837.4	1562.6	1273.1	930.6	584.7	449.9	306.5	221.0	183.7	87.5
1.75V	1762.2	1495.3	1196.9	877.5	559.2	441.1	301.0	216.2	182.2	86.7
1.80V	1683.0	1409.8	1118.7	807.8	538.6	427.7	293.0	211.5	179.0	85.2
1.83V	1584.0	1318.7	1045.4	755.6	518.8	418.2	285.1	205.9	175.8	83.7
1.85V	1484.0	1231.6	966.2	692.2	499.0	403.9	277.2	199.4	169.5	80.7
1.88V	1384.0	1131.6	871.2	633.6	473.6	381.7	269.3	194.0	164.7	78.4
1.90V	1247.4	997.9	790.0	586.9	449.9	368.3	259.0	186.9	159.5	76.0
1.94V	1128.6	911.8	698.0	529.1	414.2	337.0	236.0	167.9	143.7	68.4



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