

**Model: EOS-1000**

**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**

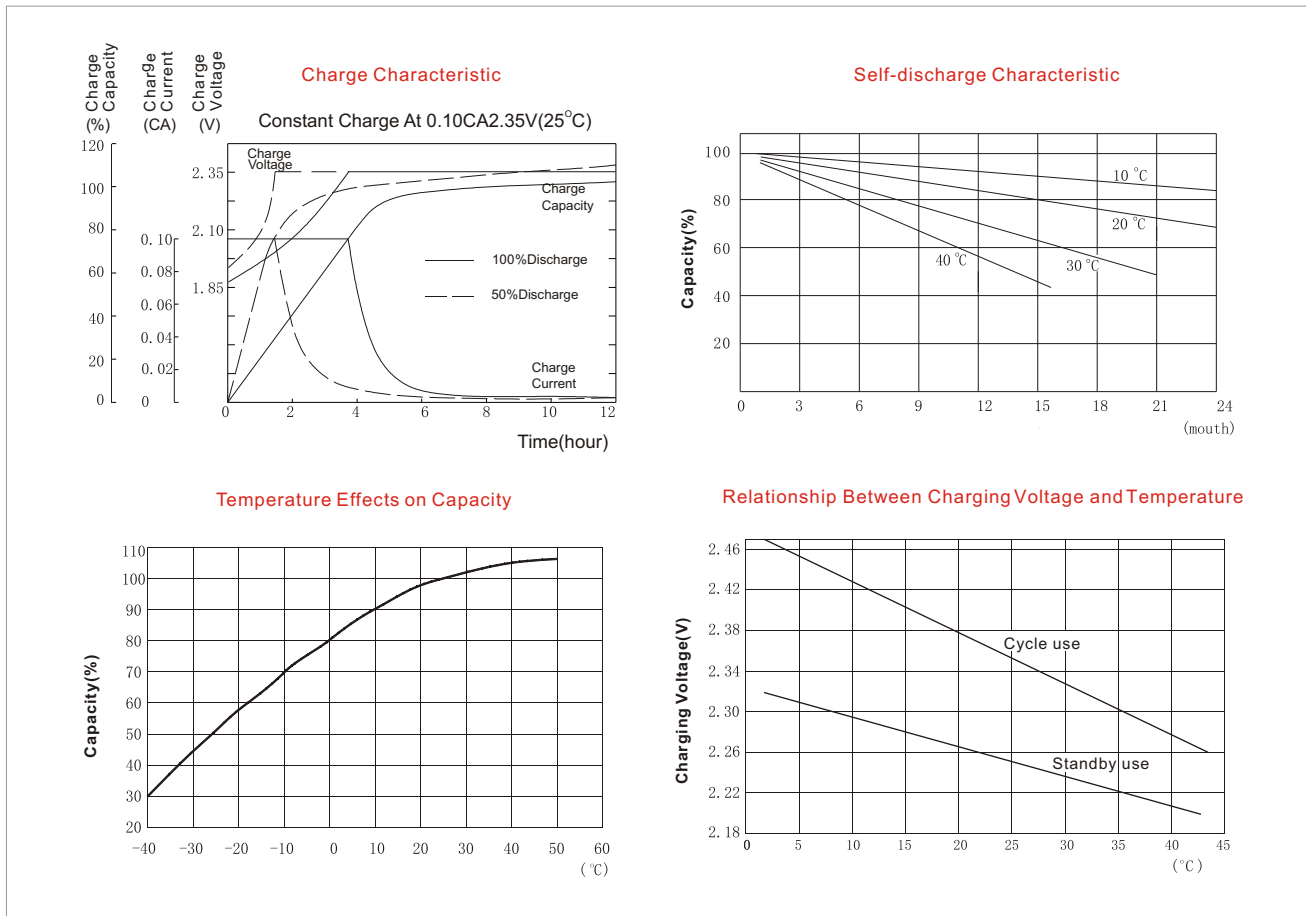
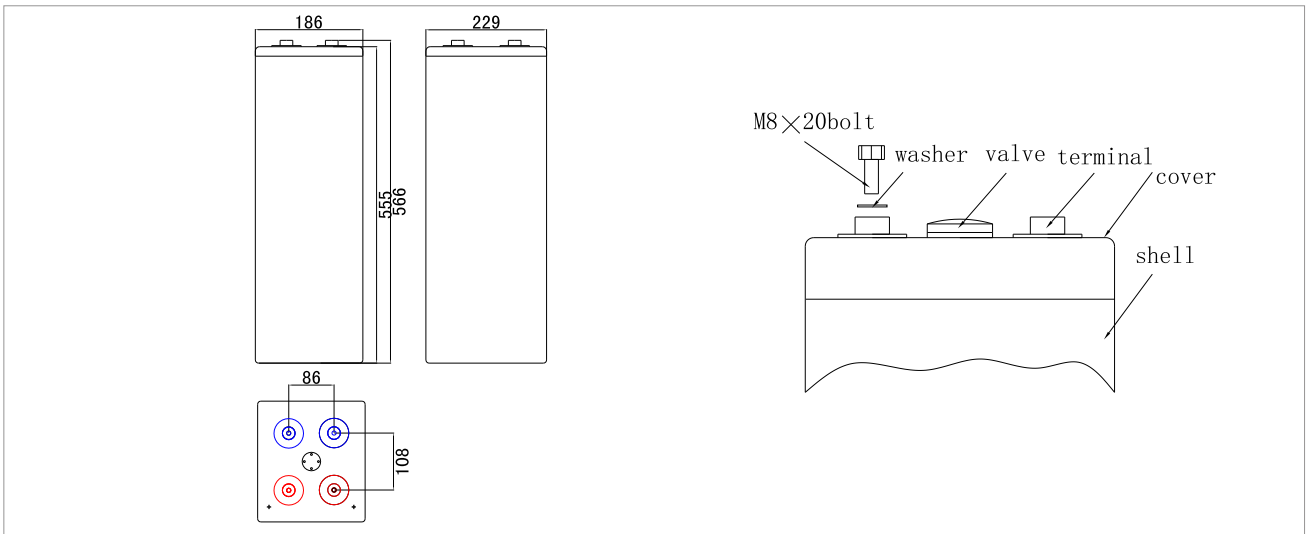
Battery Model	EOS-1000			
Nominal Voltage	2V			
Capacity(25°C)	10HR(100A, 1.80V)	3HR(250A, 1.80V)		1HR(550A, 1.75V)
	1000AH	750AH		550AH
Dimensions	Length	Width	Height	Total Height
	186mm	229mm	555mm	566mm
Approx. Weight	62kg			
Internal Resistance	0.18mΩ			
Max Charge Current Allowed	250A			
Charge 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	1447.9	1218.3	990.0	652.4	401.0	294.4	192.5	129.8	107.5	49.8
1.65V	1357.7	1146.7	902.9	615.8	389.6	286.4	190.1	128.7	106.9	49.1
1.70V	1276.0	1085.2	825.7	585.1	376.2	273.6	185.3	126.8	105.2	48.9
1.75V	1203.7	1021.4	761.3	552.4	362.3	267.3	182.2	125.1	104.3	48.5
1.80V	1137.2	952.5	712.8	524.7	351.5	261.4	178.0	122.8	103.0	47.4
1.83V	1053.2	876.8	665.3	495.0	336.6	253.4	175.2	122.0	102.5	47.4
1.85V	976.3	810.2	626.7	463.3	316.8	239.7	166.8	117.8	98.8	46.1
1.88V	896.4	732.9	580.1	420.8	294.5	226.1	159.0	113.5	95.0	44.7
1.90V	799.6	639.7	520.7	383.1	264.8	214.2	151.1	106.8	90.0	43.0
1.94V	719.8	581.5	478.2	344.5	236.4	183.6	132.9	95.8	81.7	38.3

**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	2461.4	2071.1	1711.7	1248.4	794.0	589.1	401.0	287.1	237.6	113.1
1.65V	2376.0	2006.7	1645.4	1209.0	761.1	574.2	391.1	280.7	231.7	110.3
1.70V	2296.8	1953.3	1591.4	1163.3	730.9	562.3	383.1	276.2	229.7	109.4
1.75V	2202.8	1869.1	1496.1	1096.9	698.9	551.4	376.2	270.3	227.7	108.4
1.80V	2103.8	1762.2	1398.4	1009.8	673.2	534.6	366.3	264.3	223.7	106.5
1.83V	1980.0	1648.4	1306.8	944.5	648.5	522.7	356.4	257.4	219.8	104.7
1.85V	1855.0	1539.5	1207.8	865.3	623.7	504.9	346.5	249.3	211.9	100.9
1.88V	1730.0	1414.5	1089.0	792.0	592.0	477.2	336.6	242.6	205.9	98.1
1.90V	1559.3	1247.4	987.5	733.6	562.3	460.4	323.7	233.6	199.4	94.9
1.94V	1410.8	1139.7	872.4	661.3	517.8	421.2	295.0	209.9	179.6	85.5



NARADA POWER SOURCE CO.,LTD.  
 No.459 Wensan Road, Hangzhou, Zhejiang, P.R.China  
 Tel:+86-571-28827013 Fax:+86-571-85126942  
 Website:www.naradabattery.com E-mail:intl@narada.biz

NARADA EUROPE LTD.  
 PO Box 1137,Hemel Hempstead, HP1 9BQ, UK  
 Tel:+44(0)1442 249791 Fax:+44(0)1442 229380  
 E-mail: Sales@naradaeurope.com

NARADA ASIA PACIFIC PTE.LTD.  
 65 Ubi Crescent Hala centre #08-02 Singapore  
 Tel:+65-68481191/+65-67421208 Fax:+65-67493498  
 E-mail: Sales@narada.com.sg

