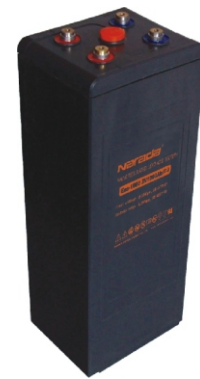


# Eos

# Eos-800

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 several optional racking systems 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	Approx 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)			

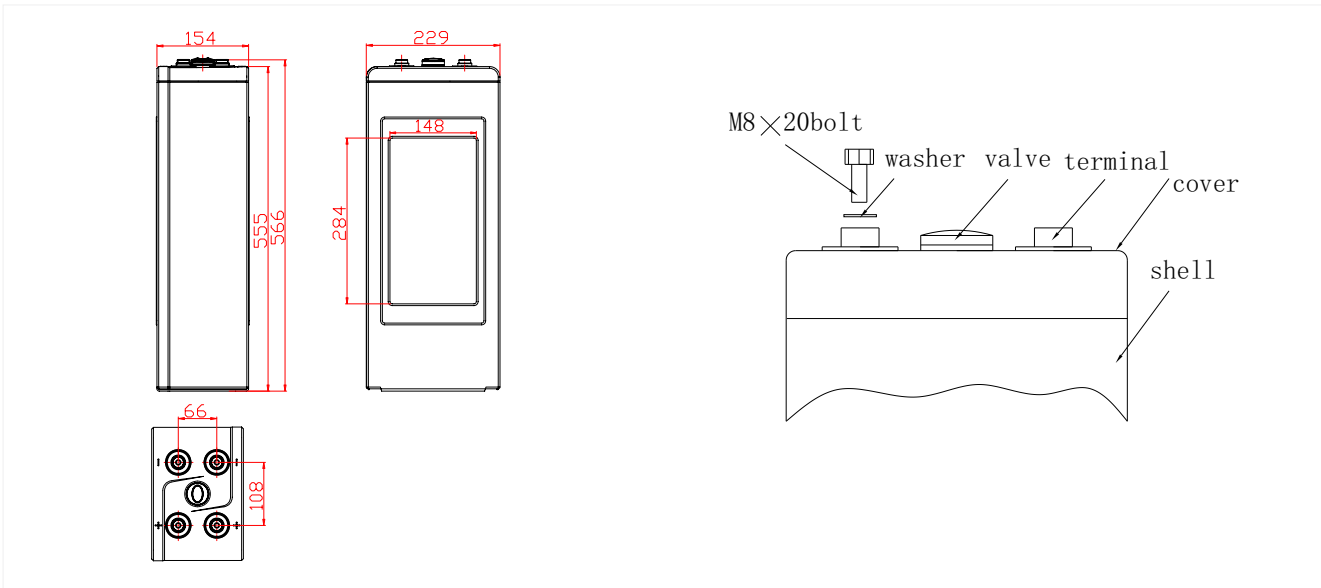
## Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End Voltage	Time (minutes)				Time (hours)									
	5	15	30	45	1	2	3	4	5	6	8	10	12	24
1.60V	1158	975	792	624	522	321	235	185	154	133	104	86.0	73.1	39.9
1.65V	1086	917	722	579	493	312	229	183	152	131	103	85.5	72.6	39.3
1.70V	1021	868	661	543	468	301	219	176	148	128	101	84.2	72.0	39.1
1.75V	963	817	609	511	442	290	214	172	146	126	100	83.5	71.7	38.8
1.80V	910	762	570	483	420	281	209	169	142	124	98.2	82.4	70.9	38.0
1.83V	843	701	532	457	396	269	203	165	140	122	97.6	82.0	70.3	38.0
1.85V	781	648	501	425	371	253	192	157	133	117	94.2	79.0	67.7	36.9
1.90V	640	512	417	355	307	212	171	142	121	106	85.4	72.0	62.5	34.4
1.94V	576	465	383	322	276	189	147	124	106	93.7	76.6	65.3	55.9	30.6

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

End Voltage	Time (minutes)				Time (hours)									
	5	15	30	45	1	2	3	4	5	6	8	10	12	24
1.60V	1969	1657	1369	1160	999	635	471	380	321	282	230	190	160	85.5
1.65V	1901	1605	1316	1111	967	609	459	372	313	276	225	185	156	83.4
1.70V	1837	1563	1273	1072	931	585	450	363	307	269	221	184	155	82.7
1.75V	1762	1495	1197	1005	878	559	441	356	301	261	216	182	153	82.0
1.80V	1683	1410	1119	937	808	539	428	351	293	256	211	179	151	80.5
1.83V	1584	1319	1045	873	756	519	418	341	285	249	206	176	148	79.1
1.85V	1484	1232	966	800	692	499	404	332	277	242	199	169	143	76.3
1.90V	1247	998	790	656	587	450	368	307	259	228	187	160	134	71.8
1.94V	1129	912	698	576	529	414	337	280	236	205	168	144	121	64.7

**Dimensions (mm)**



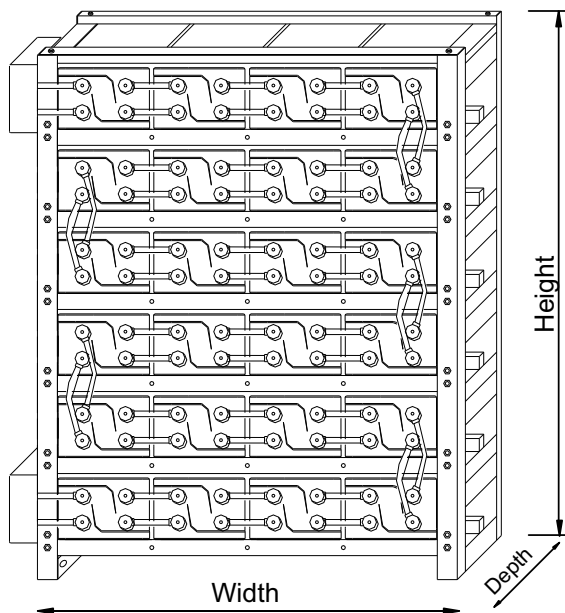
**Racking (optional)**

Narada racks are constructed using strong, easy to assemble, powder-coated steel tubing and come complete with sliding cover terminal (take-off) plates.

Cell model: Eos-800  
 Number of cells: 24  
 System Voltage: 48

Cell Configuration	2 high 12 wide	4 high 6 wide	6 high 4 wide
Rack Width*	3150 mm	1620 mm	1050 mm
Rack Depth	562 mm	562 mm	562 mm
Rack Height	490 mm	900 mm	1310 mm
System Weight	1420 kg	1455 kg	1435 kg

\* Please allow 100mm for terminal boxes



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