

**Eos**

**Eos-1000A**

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-1000A			
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
	339mm	190mm	360.5mm	372mm
Approx. Weight	58kg			
Internal Resistance	Approx 0.17mΩ			
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)			

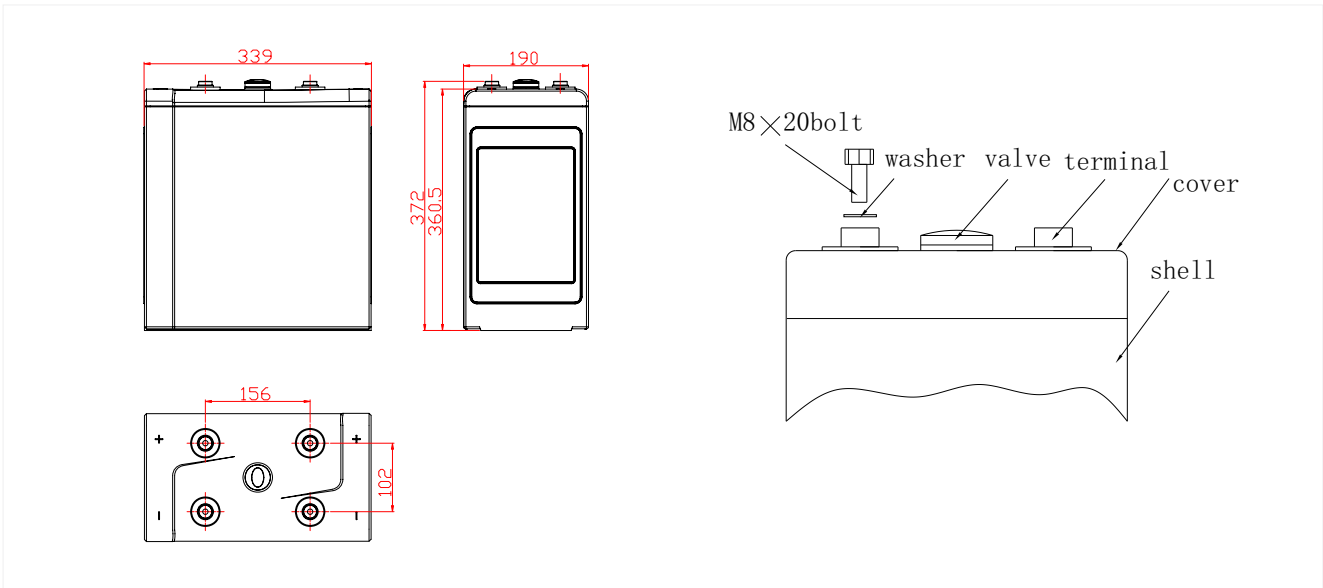
**Constant Current Discharge Data Units: Amperes (25°C, 77°F)**

End Voltage	Time (minutes)				Time (hours)									
	5	15	30	45	1	2	3	4	5	6	8	10	12	24
1.60V	1451	1221	992	782	654	402	295	232	193	166	130	108	91.6	49.9
1.65V	1360	1149	905	725	617	390	287	229	191	164	129	107	90.9	49.2
1.70V	1279	1087	827	680	586	377	274	221	186	160	127	105	90.2	49.0
1.75V	1206	1023	763	641	554	363	268	216	183	158	125	105	89.8	48.6
1.80V	1140	954	714	605	526	352	262	212	178	155	123	103	88.8	47.5
1.83V	1055	879	667	572	496	337	254	206	176	153	122	103	88.0	47.5
1.85V	978	812	628	532	464	317	240	196	167	146	118	99.0	84.8	46.2
1.90V	801	641	522	445	384	265	215	178	151	133	107	90.2	78.3	43.1
1.94V	721	583	479	403	345	237	184	155	133	117	96	81.9	70.0	38.4

**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	2461	2071	1712	1450	1248	794	589	475	401	352	287	238	200	107
1.65V	2376	2007	1645	1388	1209	761	574	465	391	345	281	232	195	104
1.70V	2297	1953	1591	1340	1163	731	562	453	383	337	276	230	193	103
1.75V	2203	1869	1496	1256	1097	699	551	446	376	327	270	228	192	102
1.80V	2104	1762	1398	1171	1010	673	535	439	366	320	264	224	188	101
1.83V	1980	1648	1307	1091	944	648	523	427	356	311	257	220	185	98.9
1.85V	1855	1539	1208	1000	865	624	505	415	347	302	249	212	178	95.3
1.90V	1559	1247	988	820	734	562	460	384	324	285	234	199	168	89.7
1.94V	1411	1140	872	720	661	518	421	350	295	256	210	180	151	80.8

**Dimensions (mm)**



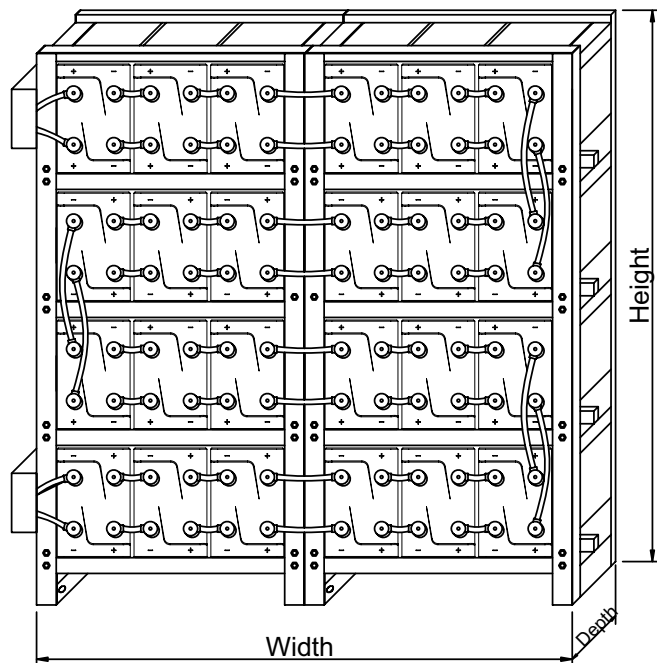
**Racking (optional)**

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-1000A  
 Number of cells: 24  
 System Voltage: 48

Cell Configuration	2 high 12 wide	3 high 8 wide	4 high 6 wide
Rack Width*	2685 mm	1790 mm	1390 mm
Rack Depth	400 mm	400 mm	400 mm
Rack Height	870 mm	1255 mm	1780 mm
System Weight	1420 kg	1420 kg	1420 kg

\* Please allow 100mm for terminal boxes



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