

Eos

Eos-2000

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-2000			
Nominal Voltage	2V			
Capacity (25°C)	10HR (200A, 1.80V)	3HR (500A, 1.80V)		1HR (1100A, 1.75V)
	2000AH	1500AH		1100AH
Dimensions	Length	Width	Height	Total Height
	349mm	233mm	555mm	566mm
Approx. Weight	121kg			
Internal Resistance	Approx 0.11 mΩ			
Max Charge Current Allowed	500A			
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)			

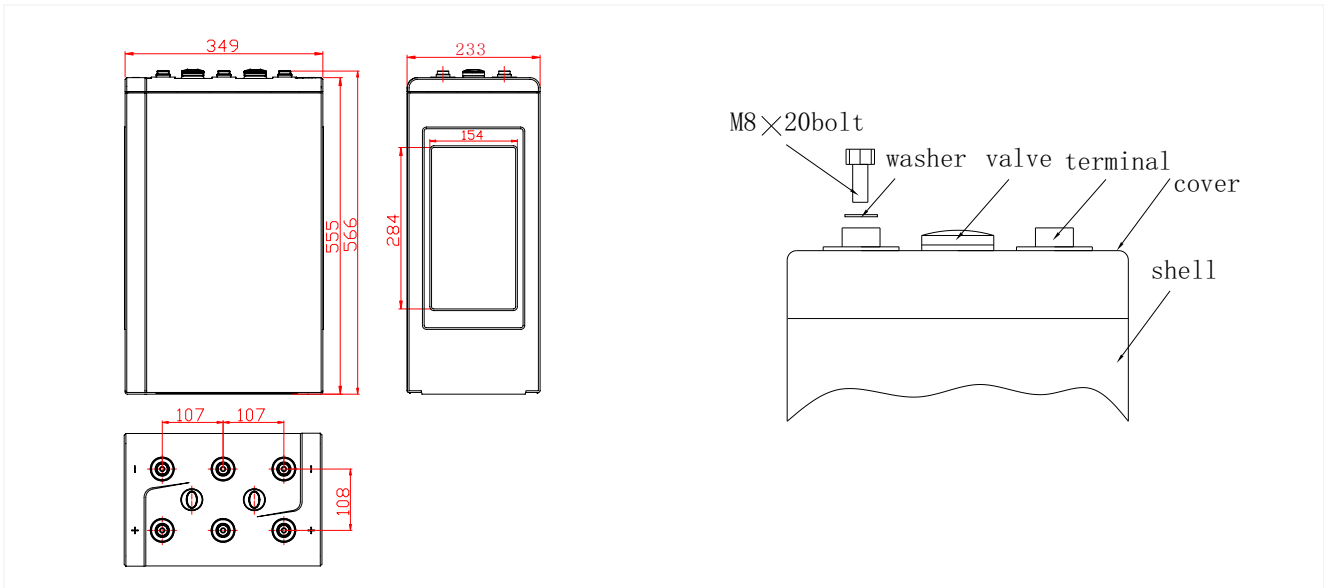
Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End Voltage	Time (minutes)				Time (hours)									
	5	15	30	45	1	2	3	4	5	6	8	10	12	24
1.60V	2896	2437	1980	1560	1305	802	589	463	385	332	260	215	183	99.7
1.65V	2715	2293	1806	1447	1232	779	573	456	380	328	257	214	182	98.2
1.70V	2552	2170	1651	1356	1170	752	547	441	371	320	254	210	180	97.8
1.75V	2407	2043	1523	1279	1105	725	535	431	364	315	250	209	179	96.9
1.80V	2274	1905	1426	1207	1049	703	523	424	356	309	246	206	177	94.9
1.83V	2106	1754	1331	1142	990	673	507	412	350	305	244	205	176	94.9
1.85V	1953	1620	1253	1063	927	634	479	392	334	292	236	198	169	92.2
1.90V	1599	1279	1041	888	766	530	428	356	302	265	214	180	156	86.0
1.94V	1440	1163	956	805	689	473	367	309	266	234	192	163	140	76.6

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	4923	4142	3423	2899	2497	1588	1178	950	802	705	574	475	400	214
1.65V	4752	4013	3291	2777	2418	1522	1148	931	782	689	561	463	390	208
1.70V	4594	3907	3183	2679	2327	1462	1125	907	766	673	552	459	387	207
1.75V	4406	3738	2992	2512	2194	1398	1103	891	752	653	541	455	383	205
1.80V	4208	3524	2797	2341	2020	1346	1069	877	733	640	529	447	377	201
1.83V	3960	3297	2614	2182	1889	1297	1045	853	713	622	515	440	370	198
1.85V	3710	3079	2416	2000	1731	1247	1010	830	693	604	499	424	357	191
1.90V	3119	2495	1975	1640	1467	1125	921	768	647	570	467	399	336	179
1.94V	2822	2279	1745	1441	1323	1036	842	700	590	513	420	359	302	162

Dimensions (mm)

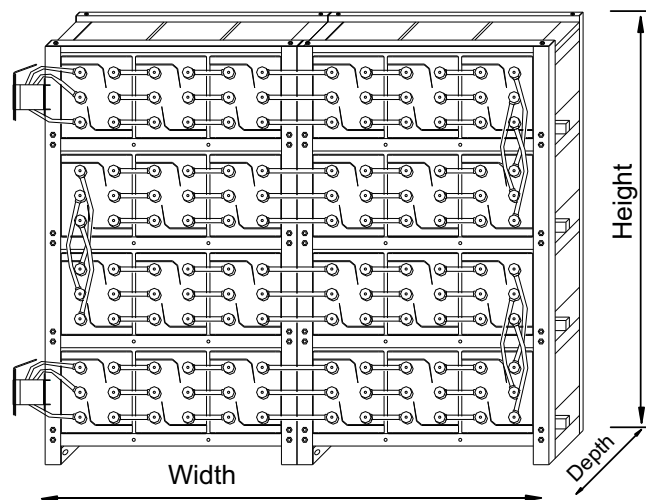


Racking (optional)

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-2000	
Number of cells:	24	
System Voltage:	48	
Cell Configuration	2 high 12 wide	4 high 6 wide
Rack Width*	3195 mm	1640 mm
Rack Depth	562 mm	562 mm
Rack Height	880 mm	1680 mm
System Weight	3200 kg	3240 kg

* Please allow 100mm for terminal boxes



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