

# Eos

# Eos-1500

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-1500			
Nominal Voltage	2V			
Capacity (25°C)	10HR (150A, 1.80V)	3HR (375A, 1.80V)	1HR (825A, 1.75V)	
	1500AH	1125AH	825AH	
Dimensions	Length	Width	Height	Total Height
	265.5mm	229mm	555mm	566mm
Approx. Weight	92kg			
Internal Resistance	Approx 0.14mΩ			
Max Charge Current Allowed	375A			
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 ± 1.0 Nm			
Container Material	ABS (V0 optional)			

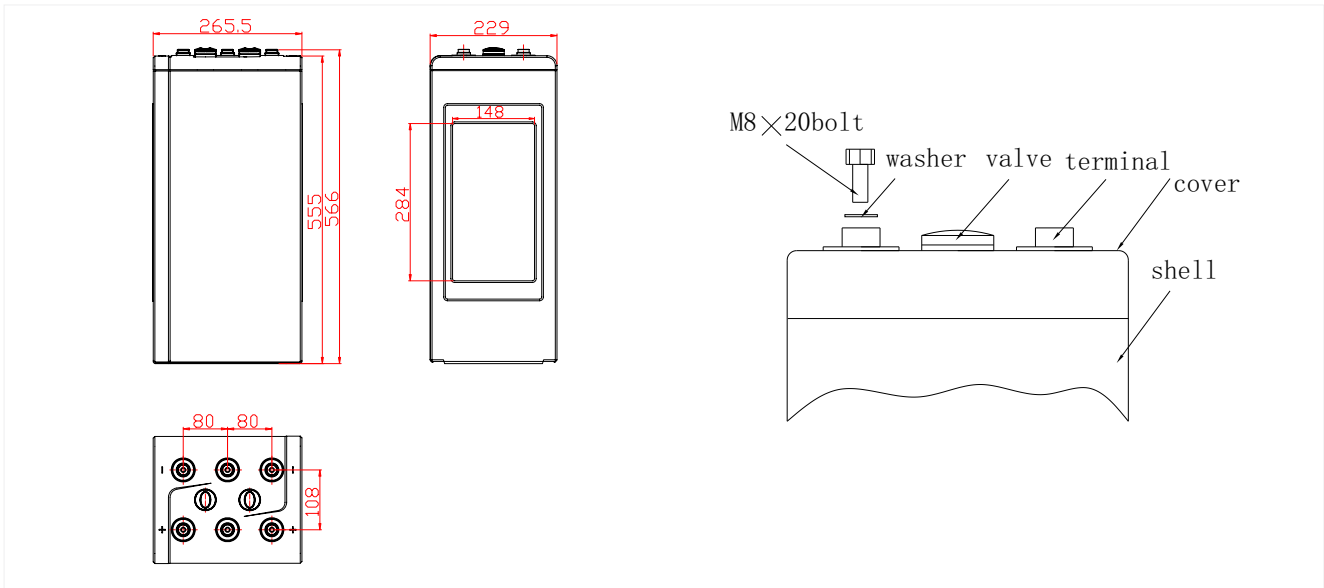
## Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End Voltage	Time (minutes)				Time (hours)									
	5	15	30	45	1	2	3	4	5	6	8	10	12	24
1.60V	2172	1827	1485	1170	979	601	442	347	289	249	195	161	137	74.7
1.65V	2037	1720	1354	1085	924	584	430	342	285	246	193	160	136	73.7
1.70V	1914	1628	1238	1017	878	564	410	330	278	240	190	158	135	73.4
1.75V	1806	1532	1142	959	829	544	401	323	273	236	188	157	134	72.7
1.80V	1706	1429	1069	905	787	527	392	318	267	232	184	154	133	71.2
1.83V	1580	1315	998	856	743	505	380	309	263	229	183	154	132	71.2
1.85V	1464	1215	940	797	695	475	360	294	250	219	177	148	127	69.1
1.90V	1199	960	781	666	575	397	321	267	227	199	160	135	117	64.5
1.94V	1080	872	717	604	517	355	275	232	199	176	144	123	105	57.4

## 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	3692	3107	2568	2174	1873	1191	884	713	601	529	431	356	300	160
1.65V	3564	3010	2468	2083	1814	1142	861	698	587	517	421	347	292	156
1.70V	3445	2930	2387	2010	1745	1096	843	680	575	505	414	345	290	155
1.75V	3304	2804	2244	1884	1645	1048	827	668	564	490	405	342	287	154
1.80V	3156	2643	2098	1756	1515	1010	802	658	549	480	396	336	282	151
1.83V	2970	2473	1960	1636	1417	973	784	640	535	466	386	330	277	148
1.85V	2783	2309	1812	1500	1298	936	757	622	520	453	374	318	267	143
1.90V	2339	1871	1481	1230	1100	843	691	576	486	428	350	299	252	135
1.94V	2116	1710	1309	1081	992	777	632	525	443	385	315	269	227	121

**Dimensions (mm)**



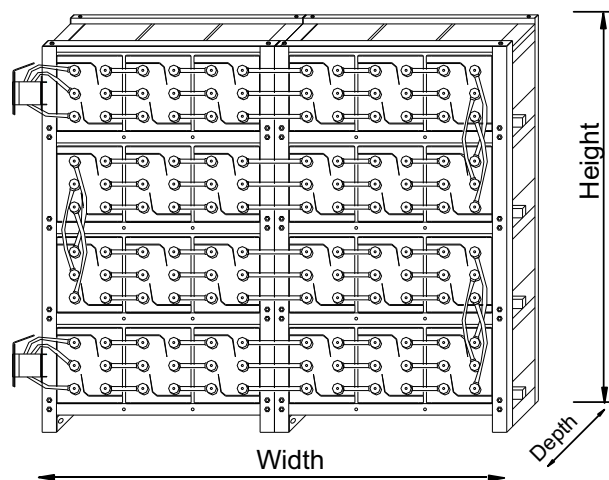
**Racking (optional)**

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-1500  
 Number of cells: 24  
 System Voltage: 48

Cell Configuration	2 high 12 wide	4 high 6 wide
Rack Width*	3150 mm	1620 mm
Rack Depth	562 mm	562 mm
Rack Height	712 mm	1344 mm
System Weight	2430 kg	2480 kg

\* Please allow 100mm for terminal boxes



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