

Eos

Eos-500

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-500			
Nominal Voltage	2V			
Capacity (25°C)	10HR (50A, 1.80V)	3HR (125A, 1.80V)		1HR (275A, 1.75V)
	500AH	375AH		275AH
Dimensions	Length	Width	Height	Total Height
	194.5mm	184.5mm	360.5mm	372mm
Approx. Weight	29kg			
Internal Resistance	Approx 0.33mΩ			
Max Charge Current Allowed	125A			
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	>10Nm			
Container Material	ABS (V0 optional)			

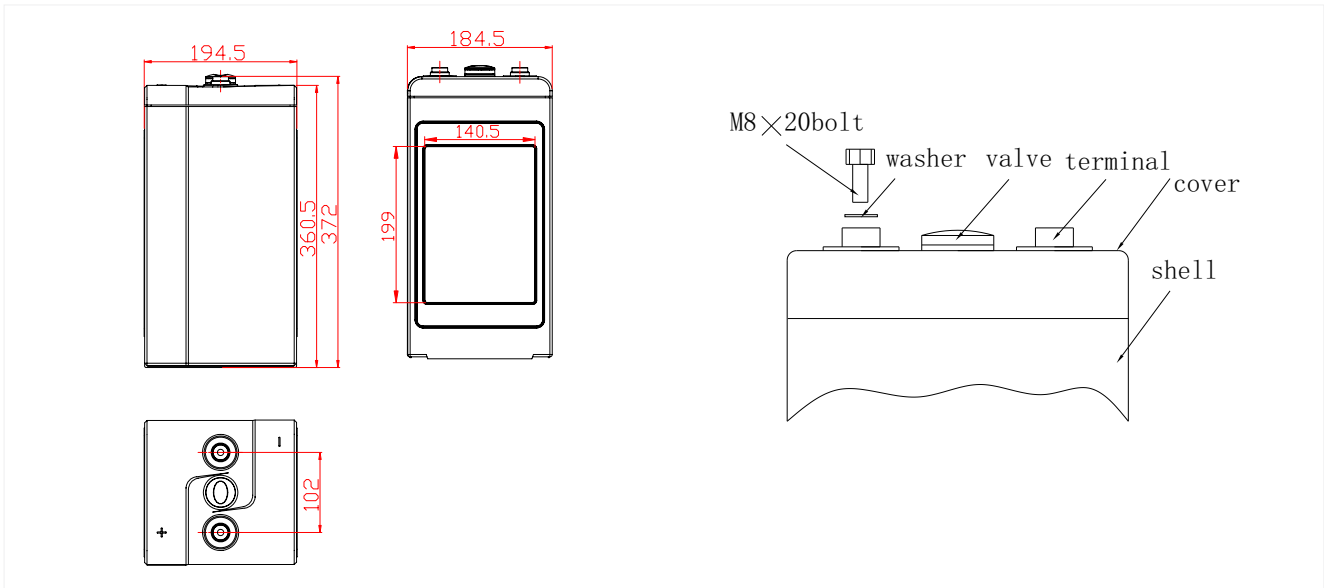
Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End voltage per cell	5min	10min	15min	20min	30min	40min	50min	1h	2h	3h	5h	8h	10h
1.60V	1100	920	/	/	/	/	/	/	/	/	/	/	/
1.65V	970	850	720	633	490	430	360	290	185	135	100	62	54
1.70V	910	800	660	570	460	410	350	285	180	130	95	60	53
1.75V	790	675	635	560	450	380	335	280	175	128	90	58	52
1.80V	/	/	570	475	420	335	310	275	170	126	85	56	51.0

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

End voltage per cell	5min	10min	15min	20min	30min	40min	50min	1h	2h	3h	5h	10h
1.60V	1850	1550	/	/	/	/	/	/	/	/	/	/
1.65V	1700	1480	1260	1160	910	790	665	575	365	285	205	120
1.70V	1570	1370	1210	1040	900	760	650	565	355	280	200	115
1.75V	1450	1290	1150	1020	870	740	640	550	350	275	195	110
1.80V	/	/	1040	910	800	695	615	540	345	270	185	106

Dimensions (mm)

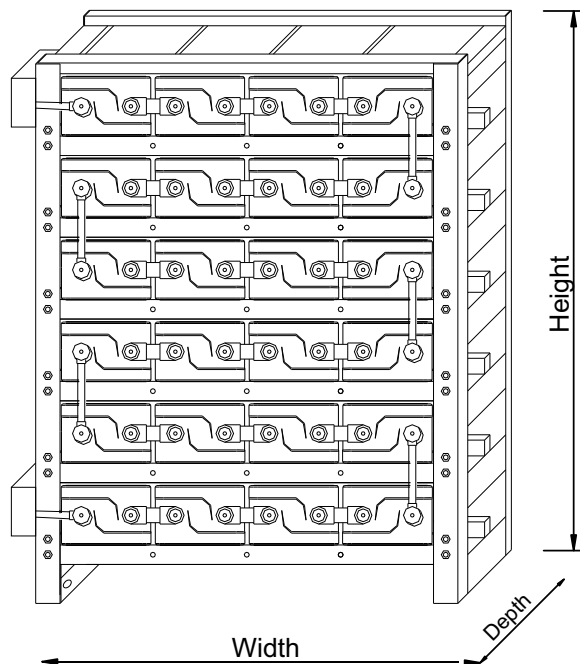


Racking (optional)

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-500	
Number of cells:	24	
System Voltage:	48	
Cell Configuration	4 high 6 wide	6 high 4 wide
Rack Width*	1255 mm	868 mm
Rack Depth	365 mm	365 mm
Rack Height	1080 mm	1570 mm
System Weight	737 kg	737 kg

* Please allow 100mm for terminal boxes



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