

Eos

Eos-1000

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-1000			
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
	186mm	229mm	555mm	566mm
Approx. Weight	59.3kg			
Internal Resistance	Approx 0.21mΩ			
Short circuit current	10335 A			
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	>10N·m			
Container Material	ABS (V0 optional)			
Self Discharge	The residual capacity is above 94% after 90 days storage(25°C/77°F)			

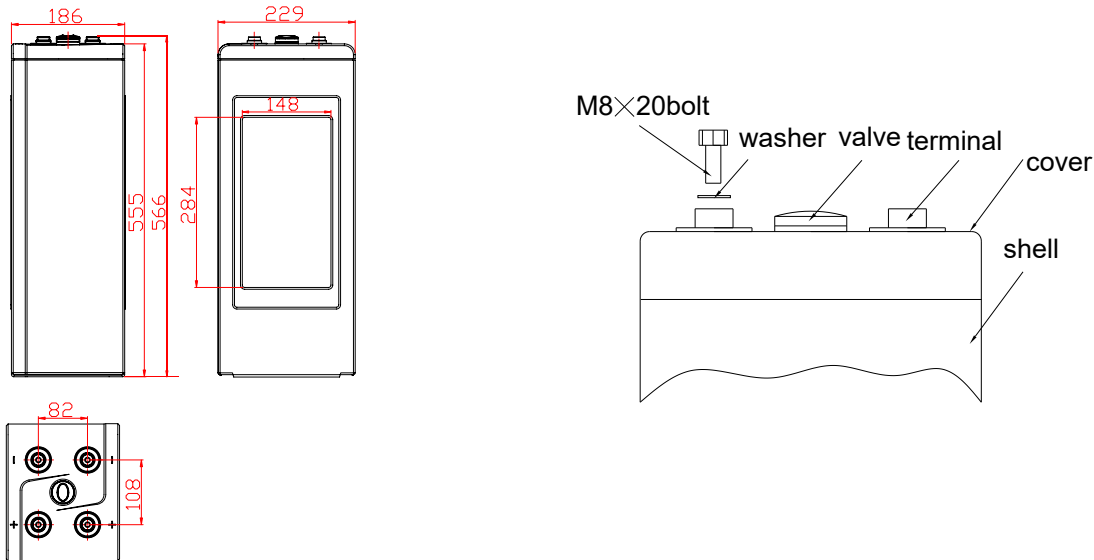
Constant Current Discharge Data Units: Amperes (25 °C, 77 °F)

End voltage per cell	1h	2h	3h	5h	8h	10h	12h	20h
1.65V	565	345	265	185	120	108	91.8	56.8
1.70V	560	340	260	180	117	106	90.1	55.7
1.75V	550	335	255	175	115	104	88.5	54.6
1.80V	546	330	250	172	113	100	85.2	52.5

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

End voltage per cell	1h	2h	3h	5h	8h	10h	12h	20h
1.65V	1090	725	570	400	288	250	212.7	131.4
1.70V	1070	705	560	390	277	240	204.2	126.1
1.75V	1050	695	540	380	268	230	195.8	120.4
1.80V	1025	680	530	370	246	205	174.7	107.6

Dimensions (mm)



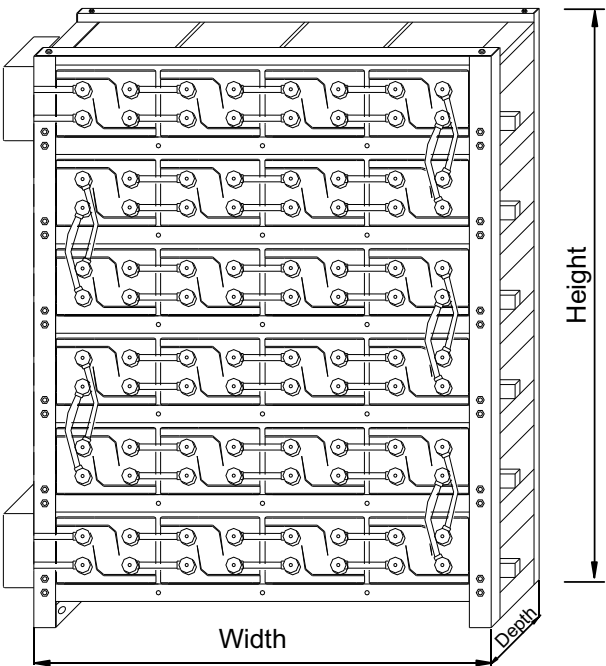
Racking (optional)

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-1000
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	552 mm	1024 mm	1496 mm
System Weight	1665 kg	1725 kg	1690 kg

* Please allow 100mm for terminal boxes



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