

stored energy solutions for a demanding world

Narada

Eos

Eos-3000A

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-3000A			
Nominal Voltage	2V			
Capacity (25°C)	10HR (300A, 1.80V)	3HR (750A, 1.80V)		1HR (1650A,1.75V)
	3000AH	2250AH		1650AH
Dimensions	Length	Width	Height	Total Height
	496mm	363mm	365mm	374.5mm
Approx. Weight	175kg			
Internal Resistance	Approx 0.10 mΩ			
Short circuit current	18879 A			
Max Charge Current Allowed	750A			
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)			

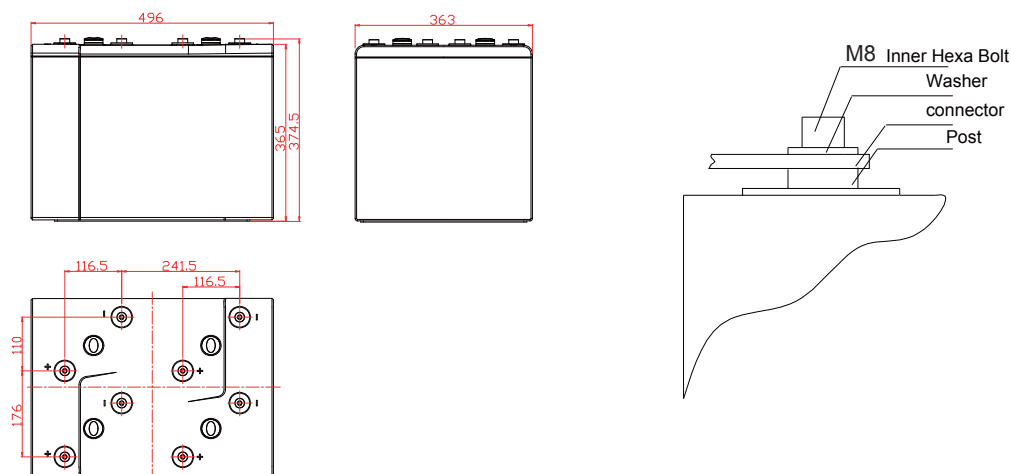
Constant Current Discharge Data Units: Amperes (25 °C, 77 °F)

End voltage per cell	1h	2h	3h	5h	8h	10h	12h	20h
1.65V	1660	1140	798	568	378	314	267.2	165.0
1.70V	1655	1120	781	560	373	310	264.0	162.9
1.75V	1650	1100	765	550	367	306	260.6	160.8
1.80V	1638	1080	750	540	361	300	255.4	157.8

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	3440	2280	1880	1280	922	800	680.6	420.4
1.70V	3360	2200	1825	1240	881	760	647.2	399.7
1.75V	3280	2180	1750	1220	844	720	613.2	378.6
1.80V	3200	2120	1675	1080	750	640	545.1	336.6

Dimensions (mm)

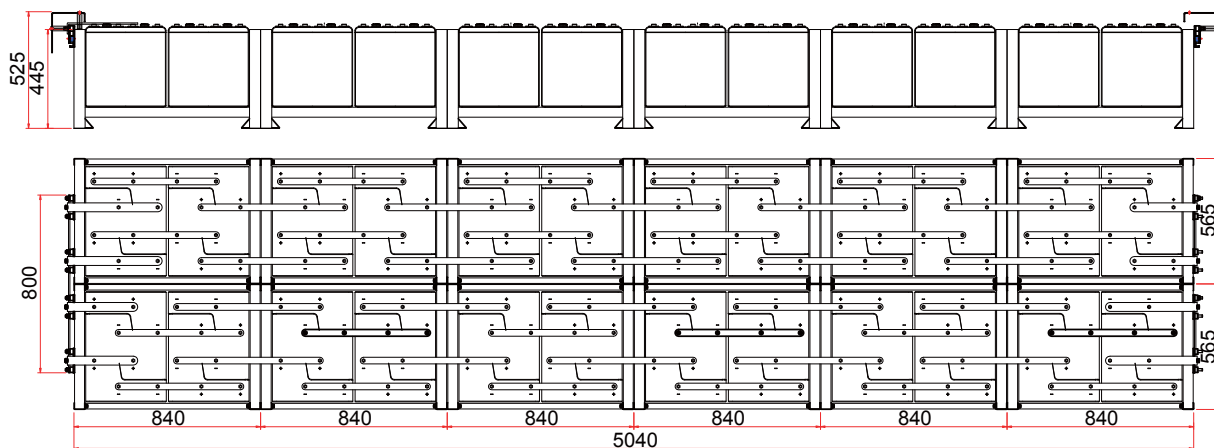


Racking (optional)

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-3000A
Number of cells: 24
System Voltage: 48

Rack Width*	Rack Depth	Rack Height	Rack Weight
5040 mm	1130 mm	525 mm	4600 kg



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