

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-200			
Nominal Voltage	2V			
Capacity (25°C)	10HR (20A, 1.80V)	3HR (50A, 1.80V)		1HR (110A, 1.75V)
	200AH	150AH		110AH
Dimensions	Length	Width	Height	Total Height
	94.5mm	184.5mm	360.5mm	372mm
Approx. Weight	13.5kg			
Internal Resistance	Approx 0.67mΩ			
Max Charge Current Allowed	50A			
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)			

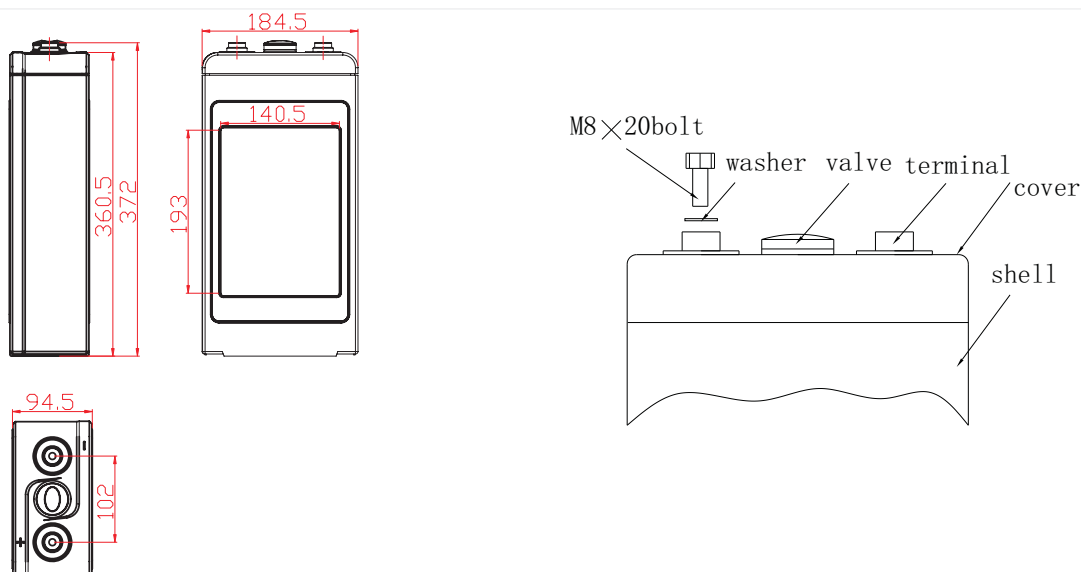
Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End Voltage	Time (minutes)				Time (hours)									
	5	15	30	45	1	2	3	4	5	6	8	10	12	24
1.60V	333	279	207	159	131	77.0	56.5	45.3	38.3	33.1	26.4	21.9	18.5	9.75
1.65V	308	260	198	152	124	75.2	55.1	44.2	37.4	32.6	26.0	21.7	18.3	9.69
1.70V	288	244	182	143	118	72.5	53.5	43.6	37.1	32.2	25.5	21.3	18.1	9.63
1.75V	274	231	169	136	113	69.9	51.9	42.4	36.0	31.7	25.2	21.0	17.8	9.51
1.80V	264	218	158	127	106	66.9	50.3	40.9	35.2	30.9	24.8	20.6	17.4	9.33
1.83V	245	204	151	121	99.0	63.9	48.7	40.1	34.4	30.3	24.3	20.1	17.1	9.15
1.85V	234	193	141	115	95.4	60.4	47.7	39.6	34.0	29.9	24.0	20.0	17.0	9.05
1.90V	201	163	121	99.1	84.7	56.6	44.7	37.8	32.7	28.8	23.1	19.3	16.5	8.83
1.94V	181	145	107	87.0	75.2	51.2	41.1	35.0	30.3	26.7	21.6	18.2	15.6	8.49

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	567	475	378	314	269	174	129	102.6	85.0	72.6	56.7	46.3	39.6	21.2
1.65V	539	455	357	293	249	159	121	97.4	82.0	70.3	54.6	45.2	38.6	20.7
1.70V	518	439	348	280	237	155	116	94.1	80.2	68.9	53.5	43.9	37.6	20.1
1.75V	502	423	337	270	228	149	112	92.1	78.2	67.3	51.5	43.2	37.0	19.8
1.80V	488	403	325	262	222	147	108	89.1	76.0	65.3	50.2	42.6	36.1	19.5
1.83V	461	384	306	251	215	141	106	87.8	74.4	63.4	49.2	41.7	35.6	19.1
1.85V	444	367	289	238	202	135	102	85.7	72.5	61.9	48.5	40.9	35.0	18.8
1.90V	392	318	244	200	174	117	95.0	79.8	67.7	57.8	45.4	38.0	32.8	18.0
1.94V	354	285	218	179	154	108	88.3	74.7	64.2	55.4	43.6	36.3	31.4	17.5

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-200
Number of cells: 24
System Voltage: 48

Cell Configuration	2 high 12 wide	4 high 6 wide	6 high 4 wide
Rack Width*	2510 mm	1255 mm	868 mm
Rack Depth	400 mm	400 mm	400 mm
Rack Height	380 mm	660 mm	940 mm
System Weight	402 kg	402 kg	402 kg

* Please allow 100mm for terminal boxes

