

Eos

Eos-300

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-300			
Nominal Voltage	2V			
Capacity (25°C)	10HR (30A, 1.80V)	3HR (75A, 1.80V)		1HR (165A, 1.75V)
	300AH	225AH		165AH
Dimensions	Length	Width	Height	Total Height
	123mm	184.5mm	360.5mm	372mm
Approx. Weight	18.5kg			
Internal Resistance	Approx 0.47mΩ			
Max Charge Current Allowed	75A			
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)			

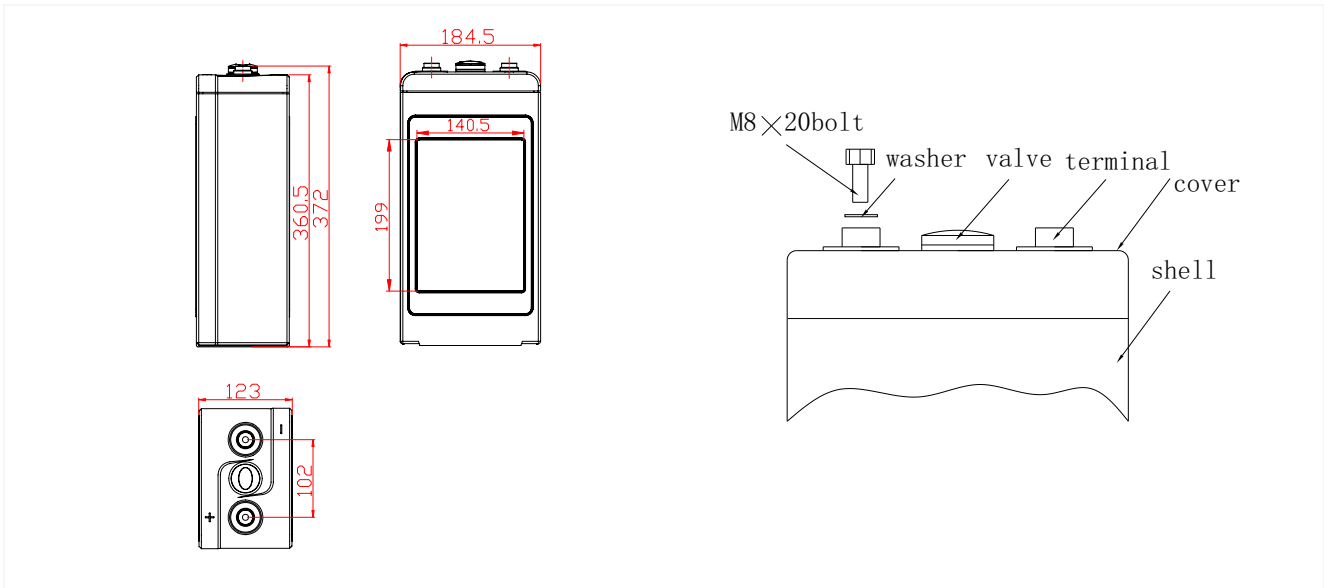
Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End Voltage	Time (minutes)				Time (hours)									
	5	15	30	45	1	2	3	4	5	6	8	10	12	24
1.60V	500	419	310	239	196	116	84.8	68.0	57.5	49.6	39.6	32.8	27.7	14.6
1.65V	462	390	297	229	186	113	82.7	66.2	56.1	48.9	39.0	32.5	27.4	14.5
1.70V	432	366	273	214	178	109	80.3	65.3	55.6	48.3	38.3	32.0	27.1	14.4
1.75V	411	347	254	204	169	105	77.8	63.6	54.1	47.5	37.8	31.5	26.7	14.3
1.80V	396	327	238	190	159	100	75.4	61.4	52.8	46.3	37.1	30.8	26.1	14.0
1.83V	368	307	226	181	149	95.9	73.0	60.1	51.6	45.5	36.5	30.2	25.7	13.7
1.85V	350	290	212	172	143	90.6	71.6	59.5	51.0	44.8	36.1	30.0	25.5	13.6
1.90V	301	245	182	149	127	84.9	67.1	56.7	49.1	43.2	34.7	29.0	24.8	13.2
1.94V	271	218	161	131	113	76.7	61.7	52.5	45.5	40.1	32.4	27.3	23.4	12.7

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	850	712	567	470	404	261	193	154	128	109	85.1	69.5	59.4	31.9
1.65V	808	683	536	439	373	239	181	146	123	105	82.0	67.8	57.9	31.1
1.70V	777	659	523	420	355	232	175	141	120	103	80.2	65.8	56.4	30.2
1.75V	753	634	505	405	342	224	168	138	117	101	77.2	64.8	55.4	29.7
1.80V	732	604	487	393	334	220	162	134	114	98.0	75.2	63.9	54.2	29.3
1.83V	692	577	459	377	322	211	158	132	112	95.0	73.8	62.6	53.5	28.7
1.85V	666	550	433	357	303	202	154	129	109	92.8	72.8	61.4	52.5	28.1
1.90V	588	478	365	299	261	175	143	120	102	86.7	68.1	56.9	49.3	27.0
1.94V	531	428	327	269	232	162	132	112	96	83.2	65.3	54.5	47.0	26.2

Dimensions (mm)

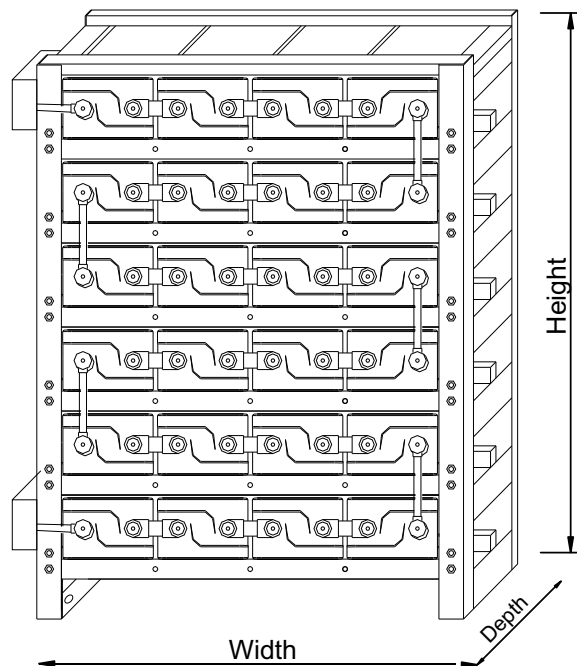


Racking (optional)

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-300	
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	788 mm	1132 mm
System Weight	514 kg	514 kg

* Please allow 100mm for terminal boxes



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