stored energy solutions for a demanding world

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	62kg			
Internal Resistance	Approx 0.18mΩ			
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	15 ± 1.0Nm			
Container Material	ABS（V0 optional）			

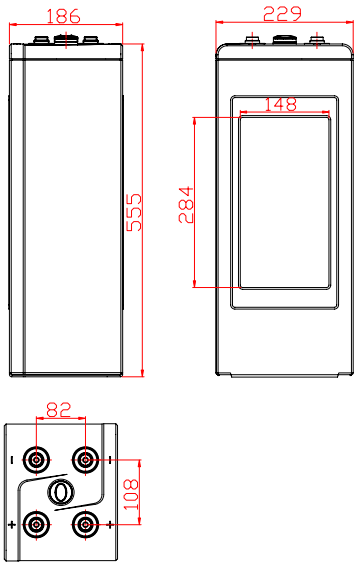
Constant Current Discharge Data Units: Amperes (25°C, 77°F)

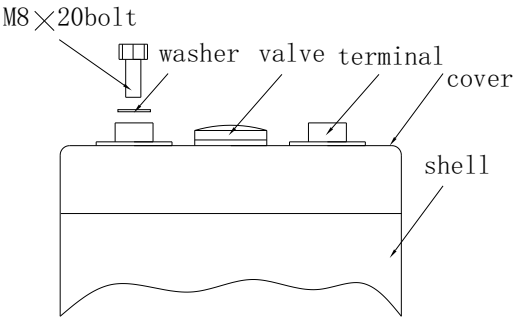
End Voltage	Time (minutes)				Time (hours)									
	5	15	30	45	1	2	3	4	5	6	8	10	12	24
1.60V	1448	1218	990	780	652	401	294	232	192	166	130	108	91.4	49.8
1.65V	1358	1147	903	724	616	390	286	228	190	164	129	107	90.8	49.1
1.70V	1276	1085	826	678	585	376	274	220	185	160	127	105	90.0	48.9
1.75V	1204	1021	761	639	552	362	267	216	182	158	125	104	89.6	48.5
1.80V	1137	953	713	603	525	351	261	212	178	154	123	103	88.6	47.4
1.83V	1053	877	665	571	495	337	253	206	175	152	122	102	87.9	47.4
1.85V	976	810	627	531	463	317	240	196	167	146	118	98.8	84.6	46.1
1.90V	800	640	521	444	383	265	214	178	151	132	107	90.0	78.1	43.0
1.94V	720	581	478	402	345	236	184	154	133	117	96	81.7	69.9	38.3

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	2461	2071	1712	1450	1248	794	589	475	401	352	287	238	200	107
1.65V	2376	2007	1645	1388	1209	761	574	465	391	345	281	232	195	104
1.70V	2297	1953	1591	1340	1163	731	562	453	383	337	276	230	193	103
1.75V	2203	1869	1496	1256	1097	699	551	446	376	327	270	228	192	102
1.80V	2104	1762	1398	1171	1010	673	535	439	366	320	264	224	188	101
1.83V	1980	1648	1307	1091	944	648	523	427	356	311	257	220	185	98.9
1.85V	1855	1539	1208	1000	865	624	505	415	347	302	249	212	178	95.3
1.90V	1559	1247	988	820	734	562	460	384	324	285	234	199	168	89.7
1.94V	1411	1140	872	720	661	518	421	350	295	256	210	180	151	80.8

Dimensions (mm)





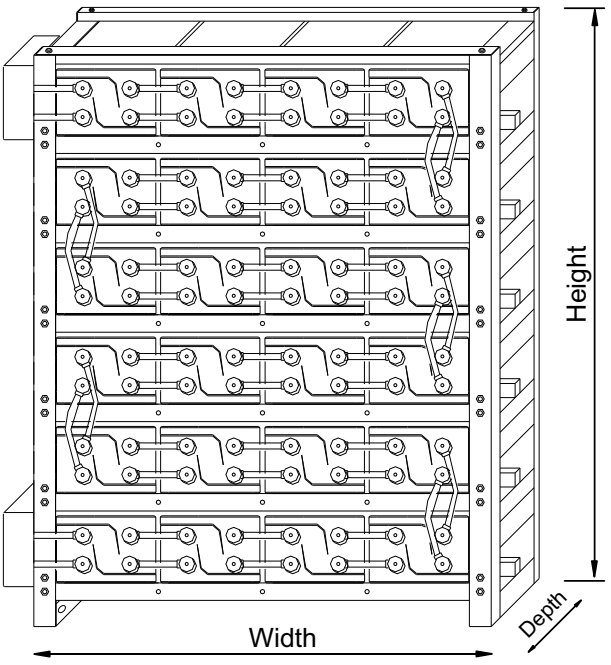
Racking (optional)

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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