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stored energy solutions for a demanding world

EOS – Series 2V Valve Regulated Lead Acid batteries feature the latest advancement in plate and battery technology offering exceptional service life, low self-discharge, high cycling capabilities and low float charge current characteristics.

EOS – Series cell rack modules are available in multiple widths to optimize battery configurations to you space requirements.

EOS- Cells are available in capacities ranging from 200Ah to 2000Ah @ 8hr rate to 77°F. Two cell heights available on 800Ah & 1000Ah

MH27487

Technical Features:

- 20-Year Design Life
- Cycle life in excess of 1200 cycles to 80% DOD
- Flame Retardant ABS Cover and Container, UL94 V-0, LOI>28%
- Patented copper alloy terminal design
- 6 months of storage at 77°F (25°C) with a capacity > 86%
- Initial capacity at 100%
- Low pressure flame arresting valve(s) UL1989
- Absorbent Glass Mat (AGM) Sealed Technology, Recombination efficiency of 99.9%

Compliance and Safety:

- **ISO 9001:2000 and ISO 14001:2004 certified production facilities**
- UL Recognized Component 924, for use in or width listed UL1778, UL1989 and UL924 systems
- IEC60896-21/22 / BS6290 part 4
- Certified to NEBS Version 4, Level 3
- Telcordia GR-1089-CORE, Issue 4
- Telcordia GR-63-CORE, Issue 4
- Compliant to SR-4228 & VZ.TPR.9802
- **Manufactured under system ISO9001(TUV)**
- Battery installation compliant with: EN 50272-2 or loc equivalents
- NEBS Earthquake Risk Seismic Zone 4 Compliant
- Exceeds 1997 UBC Zone 4 Seismic requirements for at or below grade installations / Exceeds 2007 IBC requirements for 125% g level

Transportation:

- Classified as Nonspillable UN 2800 and meet the Nonspillable criteria listed in DOT-CFR Title 49, 171-189 (d) (3) (i) and (ii) and exempt from CFR 49, Subchapter C requirements
- Meets transportation conditions of IMDG exemption 238, IATA/ICAO Special Provision A67 (Not Restricted)

EOS Series - 2V Cells & Modules

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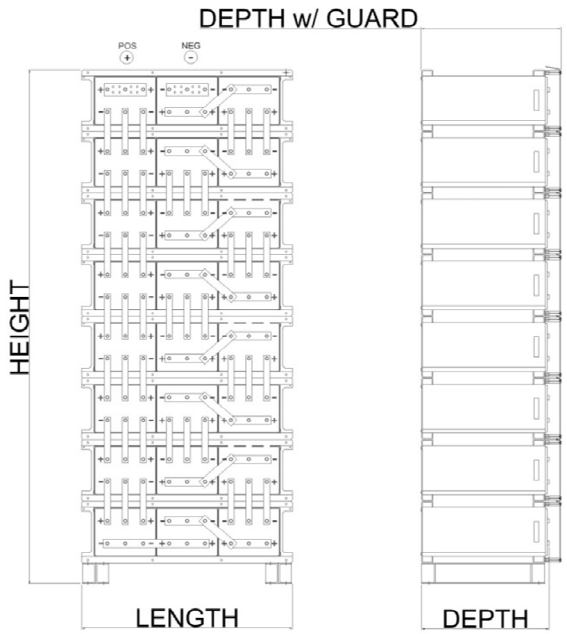
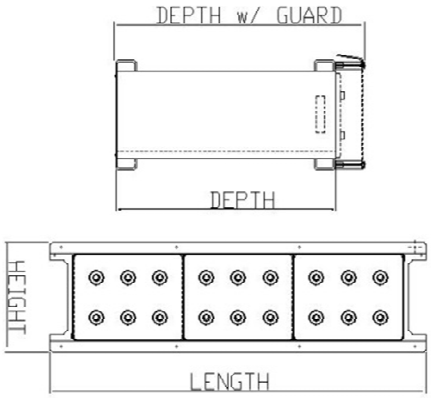
EOS Series - 2V Cells & Modules

Module & System Dimensions





MZ4 EOS (A) Module Dimensions (200-1000Ah)

Module No.	V	C/M	Length		Height		Depth		Depth w/ Guard		Weight	
			in	mm	in	mm	in	mm	in	mm	kg	lbs.
EOS-200A-6CMZ4	12	6	28.2	715	9.7	245	13.8	350	17.0	430	122	270
EOS-200A-5CMZ4	10	5	24.2	613	9.7	245	13.8	350	17.0	430	103	227
EOS-200A-4CMZ4	8	4	20.1	510	9.7	245	13.8	350	17.0	430	83	184
EOS-200A-3CMZ4	6	3	16.1	408	9.7	245	13.8	350	17.0	430	64	141
EOS-260A-6CMZ4	12	6	31.6	802	9.7	245	13.8	350	17.0	430	143	315
EOS-260A-5CMZ4	10	5	27.0	685	9.7	245	13.8	350	17.0	430	120	264
EOS-260A-4CMZ4	8	4	22.4	568	9.7	245	13.8	350	17.0	430	97	214
EOS-260A-3CMZ4	6	3	17.8	451	9.7	245	13.8	350	17.0	430	74	164
EOS-300A-6CMZ4	12	6	34.9	886	9.7	245	13.8	350	17.0	430	159	351
EOS-300A-5CMZ4	10	5	29.8	755	9.7	245	13.8	350	17.0	430	134	294
EOS-300A-4CMZ4	8	4	24.6	624	9.7	245	13.8	350	17.0	430	108	238
EOS-300A-3CMZ4	6	3	19.5	493	9.7	245	13.8	350	17.0	430	82	182
EOS-400A-6CMZ4	12	6	45.1	1144	9.7	245	13.8	350	17.0	430	215	472
EOS-400A-5CMZ4	10	5	38.2	970	18.5	469	13.9	351	17.4	441	338	744
EOS-400A-4CMZ4	8	4	31.4	796	9.7	245	13.8	350	17.0	430	145	319
EOS-400A-3CMZ4	6	3	24.5	622	9.7	245	13.8	350	17.0	430	110	242
EOS-500A-5CMZ4	10	5	43.9	1113	9.7	245	13.8	350	17.0	430	212	467
EOS-500A-4CMZ4	8	4	35.9	910	9.7	245	13.8	350	17.0	430	171	376
EOS-500A-3CMZ4	6	3	27.9	708	9.7	245	13.8	350	17.0	430	129	285
EOS-600A-5CMZ4	10	5	49.5	1255	9.7	246	13.8	350	17.0	430	250	550
EOS-600A-4CMZ4	8	4	40.4	1024	9.7	246	13.8	350	17.0	430	201	442
EOS-600A-3CMZ4	6	3	31.3	793	9.7	246	13.8	350	17.0	430	152	335
EOS-600A-2CMZ4	4	2	22.3	564	9.7	246	13.9	351	17.4	441	103	228
EOS-800A-4CMZ4	8	4	49.3	1250	9.7	246	13.8	350	17.0	430	252	556
EOS-800A-3CMZ4	6	3	38.0	963	9.7	246	13.8	350	17.0	430	191	420
EOS-800A-2CMZ4	4	2	26.6	675	9.7	246	13.8	350	17.0	430	129	284
EOS-1000A-3CMZ4	6	3	44.9	1140	9.9	251	13.8	350	17.0	430	234	516
EOS-1000A-2CMZ4	4	2	31.3	793	9.9	251	13.8	350	17.0	430	158	348

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MZ4 EOS Module Dimensions (800-2000Ah)

Module No.	V	C/M	Length		Height		Depth		Depth w/ Guard		Weight	
			in	mm	in	mm	in	mm	in	mm	kg	lbs.
EOS-800-6CMZ4	12	6	42.3	1072	10.6	269	21.5	544	24.6	624	430	946
EOS-800-5CMZ4	10	5	35.9	910	10.6	269	21.5	544	24.6	624	360	792
EOS-800-4CMZ4	8	4	29.5	748	10.6	269	21.5	544	24.6	624	290	638
EOS-800-3CMZ4	6	3	23.1	586	10.6	269	21.5	544	24.6	624	220	484
EOS-1000-5CMZ4	10	5	42.2	1070	10.6	269	21.5	544	24.6	624	415	914
EOS-1000-4CMZ4	8	4	34.7	880	10.6	269	21.5	544	25.0	635	335	737
EOS-1000-3CMZ4	6	3	26.9	682	10.6	269	21.5	544	24.6	624	253	558
EOS-1000-2CMZ4	4	2	19.3	488	10.6	269	21.5	544	24.6	624	172	379
EOS-1200-4CMZ4	8	4	43.3	1098	10.6	269	21.5	544	24.6	624	408	899
EOS-1200-3CMZ4	6	3	33.4	848	10.6	269	21.5	544	24.6	624	309	679
EOS-1200-2CMZ4	4	2	23.6	599	10.6	269	21.5	544	24.6	624	209	461
EOS-1500-4CMZ4	8	4	47.1	1194	10.6	269	21.5	544	24.6	624	494	1086
EOS-1500-3CMZ4	6	3	36.3	921	10.6	269	21.5	544	24.6	624	373	820
EOS-1500-2CMZ4	4	2	25.5	647	10.6	269	21.5	544	24.6	624	252	554
EOS-2000-3CMZ4	6	3	46.2	1171	10.6	269	23.3	590	26.4	670	500	1100
EOS-2000-2CMZ4	4	2	32.1	814	10.8	273	23.3	590	26.4	670	338	745

MZ4 SYSTEM Dimensions 24V

System No.	C/M	Length		Height		Depth		Depth w/ Guard		Weight	
		in	mm	in	mm	in	mm	in	mm	kg	lbs.
1EOS-200A-4CMZ4-3-24V	4	20.1	510	30.8	780	13.8	350	17.0	430	227	501
1EOS-200A-3CMZ4-4-24V	3	16.1	408	39.6	1004	13.8	350	17.0	430	228	502
1EOS-260A-4CMZ4-3-24V	4	22.4	568	30.8	780	13.8	350	17.0	430	266	585
1EOS-260A-3CMZ4-4-24V	3	17.8	451	39.6	1004	13.8	350	17.0	430	266	587
1EOS-300A-4CMZ4-3-24V	4	24.6	624	30.8	780	13.8	350	17.0	430	296	652
1EOS-300A-3CMZ4-4-24V	3	19.5	493	39.6	1004	13.8	350	17.0	430	296	652
1EOS-400A-4CMZ4-3-24V	4	31.4	796	30.8	780	13.8	350	17.0	430	399	878
1EOS-400A-3CMZ4-4-24V	3	24.5	622	39.6	1004	13.8	350	17.0	430	398	876
1EOS-500A-4CMZ4-3-24V	4	35.9	910	30.8	780	13.8	350	17.0	430	471	1037
1EOS-500A-3CMZ4-4-24V	3	27.9	708	39.6	1004	13.8	350	17.0	430	470	1034
1EOS-600A-4CMZ4-3-24V	4	40.4	1024	30.9	784	13.8	350	17.0	430	556	1224
1EOS-600A-3CMZ4-4-24V	3	31.3	793	39.8	1010	13.8	350	17.0	430	554	1220
1EOS-600A-2CMZ4-6-24V	2	22.3	564	57.6	1462	13.9	351	17.4	441	556	1223
1EOS-800A-4CMZ4-3-24V	4	49.3	1250	30.9	784	13.8	350	17.0	430	701	1543
1EOS-800A-3CMZ4-4-24V	3	38.0	963	39.8	1010	13.8	350	17.0	430	698	1536
1EOS-800A-2CMZ4-6-24V	2	26.6	675	57.6	1462	13.8	350	17.0	430	697	1535
1EOS-1000A-3CMZ4-4-24V	3	44.9	1140	40.5	1028	13.8	350	17.0	430	858	1888
1EOS-1000A-2CMZ4-6-24V	2	31.3	793	58.7	1489	13.8	350	17.0	430	856	1885
1EOS-800-6CMZ4-2-24V	6	42.3	1072	25.4	644	21.5	544	24.6	624	813	1790
1EOS-800-4CMZ4-3-24V	4	29.5	748	36	913	21.5	544	24.6	624	805	1772
1EOS-800-3CMZ4-4-24V	3	23.1	586	46.6	1182	21.5	544	24.6	624	804	1769
1EOS-1000-3CMZ4-4-24V	3	26.9	682	46.6	1182	21.5	544	24.6	624	925	2036
1EOS-1000-2CMZ4-6-24V	2	19.3	488	67.8	1720	21.5	544	24.6	624	928	2042
1EOS-1200-4CMZ4-3-24V	4	43.3	1098	36	913	21.5	544	24.6	624	1131	2488
1EOS-1200-3CMZ4-4-24V	3	33.4	848	46.6	1182	21.5	544	24.6	624	1126	2477
1EOS-1200-2CMZ4-6-24V	2	23.6	599	67.8	1720	21.5	544	24.6	624	1126	2478
1EOS-1500-4CMZ4-3-24V	4	47.1	1194	36	913	21.5	544	24.6	624	1379	3033
1EOS-1500-3CMZ4-4-24V	3	36.3	921	46.6	1182	21.5	544	24.6	624	1373	3020
1EOS-1500-2CMZ4-6-24V	2	25.5	647	67.8	1720	21.5	544	24.6	624	1372	3020
1EOS-2000-3CMZ4-4-24V	3	46.3	1174	47.2	1198	21.5	544	24.6	624	1637	3602
1EOS-2000-2CMZ4-6-24V	2	32.1	814	68.7	1744	21.5	544	24.6	624	1838	4045

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EOS Series - 2V Cells & Modules

MZ4 SYSTEM Dimensions 48V

System No.	C/M	Length		Height		Depth		Depth w/ Guard		Weight	
		in	mm	in	mm	in	mm	in	mm	kg	lbs.
1EOS-200A-6CMZ4-4-48V	6	28.2	715	39.6	1004	13.8	350	17.0	430	442	973
1EOS-200A-4CMZ4-6-48V	4	20.1	510	57.3	1453	13.8	350	17.0	430	443	976
1EOS-200A-3CMZ4-8-48V	3	16.1	408	74.9	1902	13.8	350	17.0	430	447	983
1EOS-260A-6CMZ4-4-48V	6	31.6	802	39.6	1004	13.8	350	17.0	430	519	1141
1EOS-260A-4CMZ4-6-48V	4	22.4	568	57.3	1453	13.8	350	17.0	430	519	1142
1EOS-260A-3CMZ4-8-48V	3	17.8	451	74.9	1902	13.8	350	17.0	430	523	1151
1EOS-300A-6CMZ4-4-48V	6	34.9	886	39.6	1004	13.8	350	17.0	430	578	1272
1EOS-300A-4CMZ4-6-48V	4	24.6	624	57.3	1453	13.8	350	17.0	430	579	1273
1EOS-300A-3CMZ4-8-48V	3	19.5	493	74.9	1902	13.8	350	17.0	430	581	1280
1EOS-400A-6CMZ4-4-48V	6	45.1	1144	39.6	1004	13.8	350	17.0	430	782	1720
1EOS-400A-4CMZ4-6-48V	4	31.4	796	57.3	1453	13.8	350	17.0	430	780	1716
1EOS-400A-3CMZ4-8-48V	3	24.5	622	74.9	1902	13.8	350	17.0	430	782	1720
1EOS-500A-6CMZ4-4-48V	6	51.8	1315	39.6	1004	13.8	350	17.0	430	925	2036
1EOS-500A-4CMZ4-6-48V	4	35.9	910	57.3	1453	13.8	350	17.0	430	922	2029
1EOS-500A-3CMZ4-8-48V	3	27.9	708	74.9	1902	13.8	350	17.0	430	924	2033
1EOS-600A-4CMZ4-6-48V	4	40.4	1024	57.6	1462	13.8	350	17.0	430	1090	2398
1EOS-600A-3CMZ4-8-48V	3	31.3	793	75.4	1914	13.8	350	17.0	430	1091	2400
1EOS-800A-4CMZ4-6-48V	4	49.3	1250	57.6	1462	13.8	350	17.0	430	1374	3024
1EOS-800A-3CMZ4-8-48V	3	38.0	963	75.4	1914	13.8	350	17.0	430	1374	3024
1EOS-1000A-3CMZ4-8-48V	3	44.9	1140	76.8	1950	13.8	350	17.0	430	1690	3719
2EOS-1000A-2CMZ4-6-48V	2	62.5	1586	58.7	1489	13.8	350	17.0	430	1713	3769
1EOS-800-6CMZ4-4-48V	6	42.3	1072	46.6	1182	21.5	544	24.6	624	1581	3478
1EOS-800-4CMZ4-6-48V	4	29.5	748	67.8	1720	21.5	544	24.6	624	1578	3473
1EOS-800-3CMZ4-8-48V	3	23.1	586	88.9	2258	21.5	544	24.6	624	1583	3482
1EOS-1000-4CMZ4-6-48V	4	34.5	876	67.8	1720	21.5	544	24.6	624	1818	4001
1EOS-1000-3CMZ4-8-48V	3	26.9	682	88.9	2258	21.5	544	24.6	624	1821	4007
1EOS-1200-4CMZ4-6-48V	4	43.3	1098	67.8	1720	21.5	544	24.6	624	2214	4872
1EOS-1200-3CMZ4-8-48V	3	33.4	848	88.9	2258	21.5	544	24.6	624	2215	4873
1EOS-1500-4CMZ4-6-48V	4	47.1	1194	67.8	1720	21.5	544	24.6	624	2706	5954
1EOS-1500-3CMZ4-8-48V	3	36.3	921	88.9	2258	21.5	544	24.6	624	2706	5953
2EOS-1500-2CMZ4-6-48V	2	51.0	1294	67.8	1720	21.5	544	24.6	624	2745	6039
2EOS-2000-3CMZ4-4-48V	3	78.8	2000	46.6	1182	23.3	591	26.9	681	3217	7078
2EOS-2000-2CMZ4-6-48V	2	64.1	1628	68.7	1744	21.5	544	24.6	624	3677	8089

* Note MZ4-x2000-24-38 module does not meet Telcordia GR-63-CORE seismic Zone 4 requirements, all other racks are compliant.

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