

Narada

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

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
- **Manufactured under system ISO9001(TUV)**
- Battery installation compliant with: EN 50272-2 or local 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

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Operational Parameters

Float Charging Voltage	2.25Vpc to 2.27Vpc @ 77°F (25°C)
Equalize Charging Voltage	2.35Vpc to 2.40Vpc @ 77°F (25°C)
See Operations and Maintenance Manual for specific guidelines	

Charging Temperature Compensation	-2 mV/cell/°F > 77°F (-3.6 mV/cell/°C > 25°C)
	+2 mV/cell/°F < 77°F (+3.6 mV/cell/°C < 25°C)

Maximum AC Ripple (Charger)	0.5% RMS, 1.5% peak-to-peak for float charge
Maximum Charge Current	C ₅ Rate Amps (5 hour rate @ 1.75vpc)

Electrolyte	Absorbed 1.300 s.g. H ₂ SO ₄
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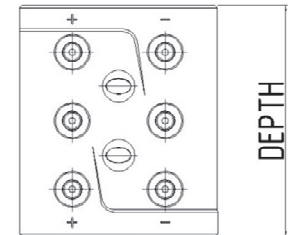
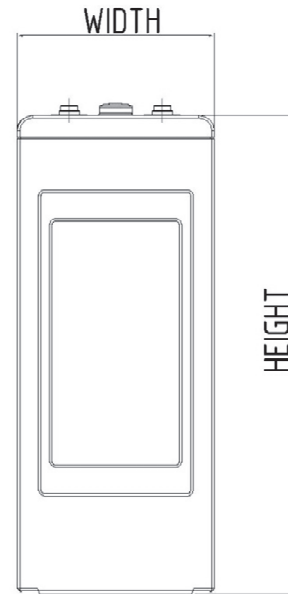
Self-Discharge Rate	<2% per month at 77°F (25°C)
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Relief Valve	Self-resealing; Operates at 2 to 3 psi with integral flame arrestor
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Terminal Type	Torque
M8-F	130 in-lbs (15 Nm)

Operating Temperature Range	
Nominal	+74°F (24°C) to 80°F (27°C)
Charge	-20°F (-28°C) to +122°F (50°C)
Discharge	-40°F (-40°C) to +140°F (60°C)
Storage	-4°F (-20°C) to +104°F (40°C)

Cell



Cell Dimensions & Specifications

Model	V	# Posts	Ah @ 8hr rate to 1.75	Width		Depth		Height		Total Height		Weight	
				in	mm	in	mm	in	mm	in	mm	kg	lbs.
EOS-200	2	2	202	7.3	184.5	3.8	94.5	14.2	360.5	14.7	372	14	31
EOS-300	2	2	302	7.3	184.5	4.9	123	14.2	360.5	14.7	372	19	42
EOS-400	2	2	404	7.3	184.5	6.6	166	14.2	360.5	14.7	372	26	57
EOS-500	2	2	505	7.3	184.5	7.7	194.5	14.2	360.5	14.7	372	31	68
EOS-600	2	4	606	7.3	186	8.8	223	14.2	360.5	14.7	372	37	81
EOS-800A	2	4	802	7.3	186	11	279.5	14.2	360.5	14.7	372	47	103
EOS-1000A	2	4	1003	7.5	190.5	13.4	338.5	14.2	360.5	14.7	372	58	128
EOS-800	2	4	801	9.1	229	6.1	154	21.9	555	22.3	566	54	119
EOS-1000	2	4	1001	9.1	229	7.4	186	21.9	555	22.3	566	62	136
EOS-1200	2	4	1200	9.1	229	9.5	241.3	21.9	555	22.3	566	75	165
EOS-1500	2	6	1502	9.1	229	10.5	265.5	21.9	555	22.3	566	94	207
EOS-2000	2	8	2002	9.1	233	13.8	349	21.9	555	22.3	566	125	275

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