

Eos

Eos-400

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-400			
Nominal Voltage	2V			
Capacity (25°C)	10HR (40A, 1.80V)	3HR (100A, 1.80V)		1HR (220A,1.75V)
	400AH	300AH		220AH
Dimensions	Length	Width	Height	Total Height
	166mm	184.5mm	360.5mm	370mm
Approx. Weight	26kg			
Internal Resistance	Approx 0.35mΩ			
Short circuit current	5089 A			
Max Charge Current Allowed	100 A			
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	>10N·m			
Container Material	ABS (V0 optional)			
Self Discharge	The residual capacity is above 94% after 90 days storage(25 °C/77 °F)			

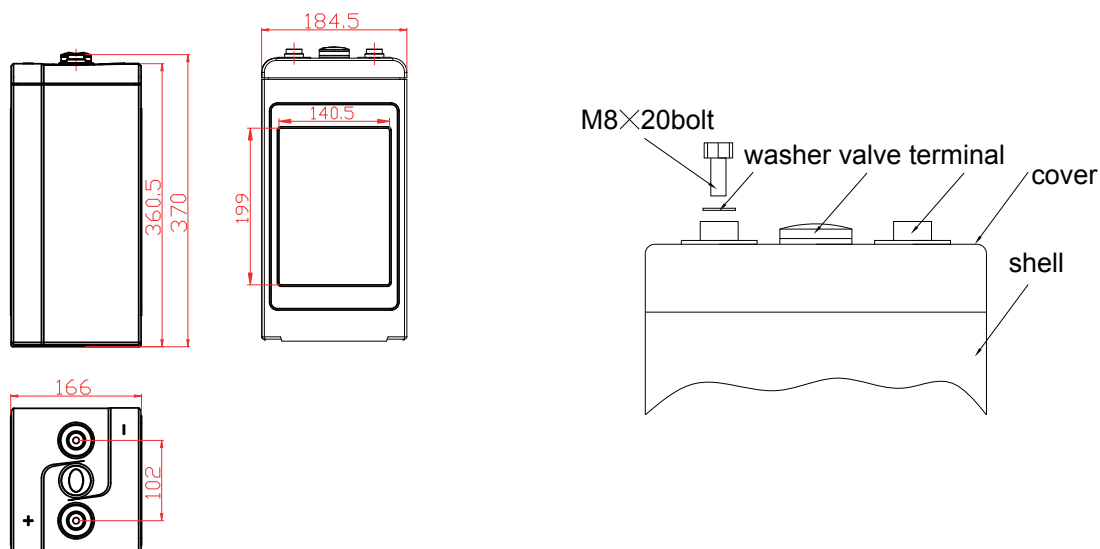
Constant Current Discharge Data Units: Amperes (25 °C, 77 °F)

End Voltage	1h	2h	3h	5h	8h	10h	12h	20h
1.65V	228	145	108	72	50	44	37.4	23.1
1.70V	225	142	105	70	48	43	36.5	22.6
1.75V	223	138	103	68	46	42	35.7	22.1
1.80V	221	135	101	66	44	41	34.8	21.5

Constant Power Discharge Data Units: Watts per cell (25°C, 77 °F)

End Voltage	1h	2h	3h	5h	8h	10h	12h	20h
1.65V	460	292	228	170	117	105	89.2	46.2
1.70V	450	284	224	165	110	100	85.0	45.2
1.75V	440	280	220	156	106	95	80.7	44.2
1.80V	430	270	216	145	102	90	76.5	43.0

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-400
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	960 mm	1390 mm
System Weight	649 kg	649 kg

*Please allow 100mm for terminal boxes

