

# 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	372mm
Approx. Weight	24.5kg			
Internal Resistance	Approx 0.35mΩ			
Max Charge Current Allowed	100A			
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	>10Nm			
Container Material	ABS (V0 optional)			

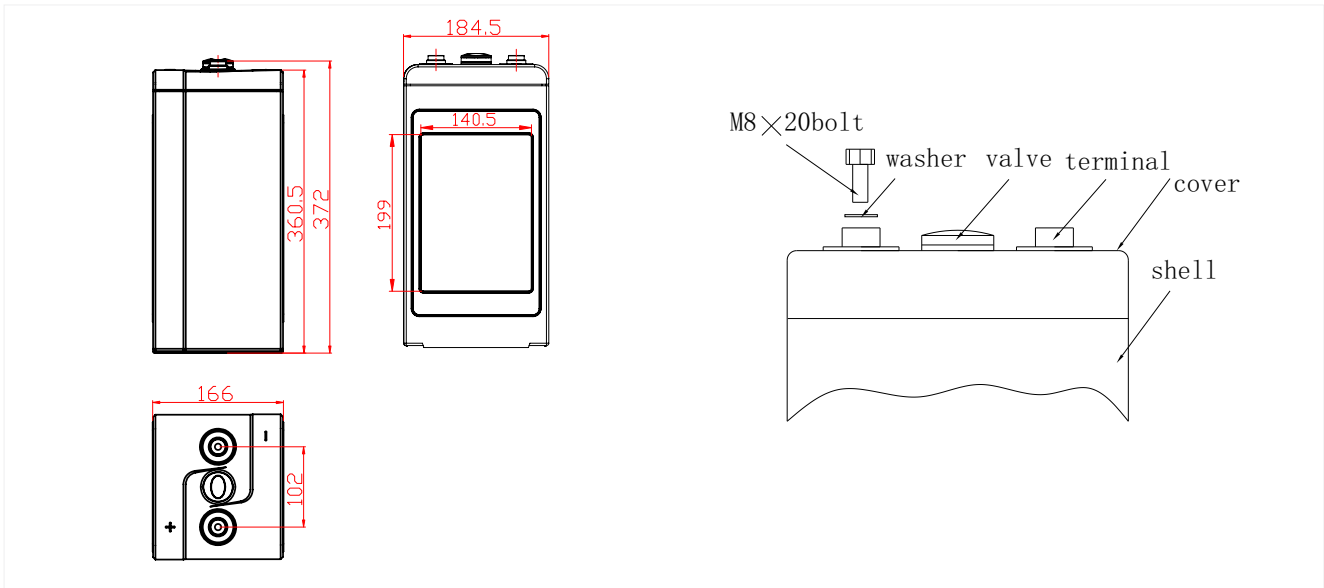
## Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End voltage per cell	5min	10min	15min	20min	30min	40min	50min	1h	2h	3h	5h	8h	10h
1.60V	920	760	/	/	/	/	/	/	/	/	/	/	/
1.65V	805	700	570	510	390	340	290	228	145	108	72	50	44
1.70V	750	650	530	460	350	320	280	225	142	105	70	48	43
1.75V	640	550	510	440	330	300	270	223	138	103	68	46	42
1.80V	/	/	450	380	310	270	240	221	135	101	66	44	41.0

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

End voltage per cell	5min	10min	15min	20min	30min	40min	50min	1h	2h	3h	5h	10h
1.60V	1520	1260	/	/	/	/	/	/	/	/	/	/
1.65V	1400	1200	1010	930	730	630	530	460	292	228	170	105
1.70V	1290	1110	970	830	710	610	520	450	284	224	165	100
1.75V	1185	1050	920	810	700	590	510	440	280	220	156	95
1.80V	/	/	830	730	640	550	490	430	270	216	145	90

**Dimensions (mm)**

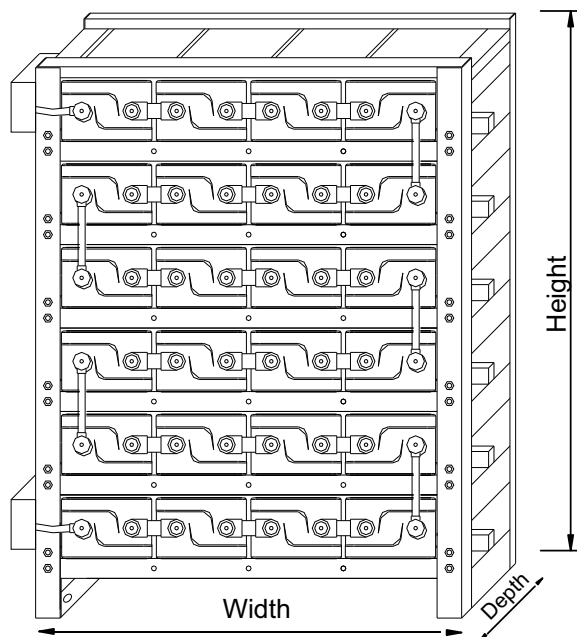


**Racking (optional)**

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



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