

Eos

Eos-600

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-600			
Nominal Voltage	2V			
Capacity (25°C)	10HR (60A, 1.80V)	3HR (150A, 1.80V)	1HR (330A, 1.75V)	
	600AH	450AH	330AH	
Dimensions	Length	Width	Height	Total Height
	223mm	184.5mm	360.5mm	372mm
Approx. Weight	34kg			
Internal Resistance	Approx 0.28mΩ			
Max Charge Current Allowed	150A			
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)			

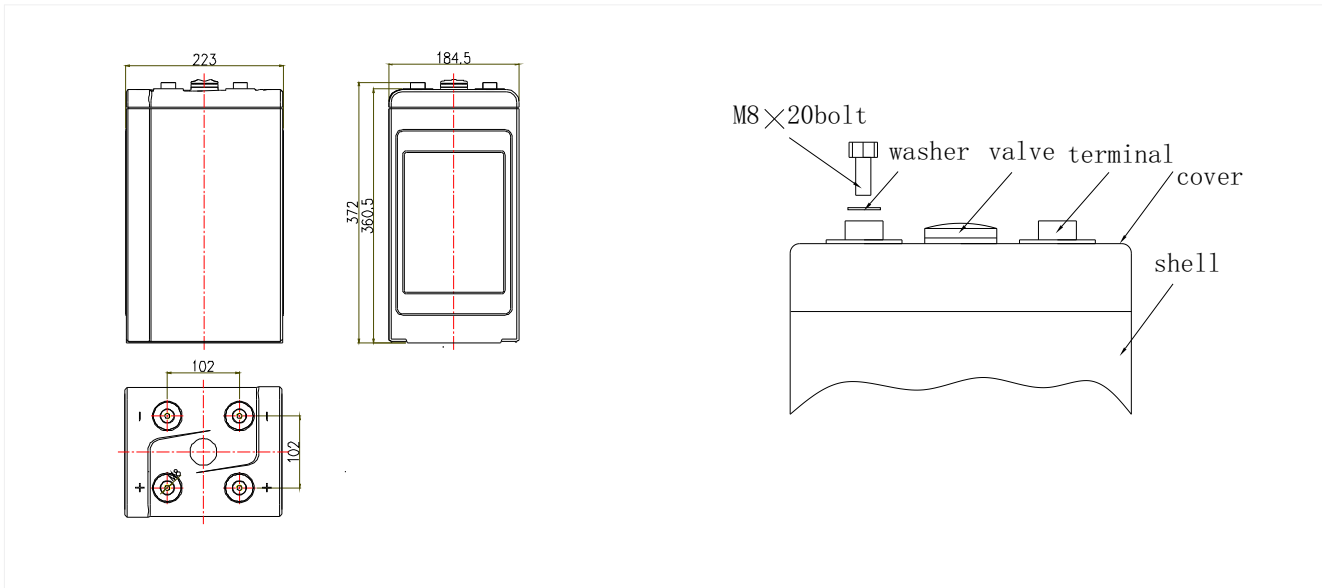
Constant Current Discharge Data Units: Amperes (25 °C, 77 °F)

End voltage per cell	5min	10min	15min	20min	30min	40min	50min	1h	2h	3h	5h	8h	10h
1.60V	1320	1130	/	/	/	/	/	/	/	/	/	/	/
1.65V	1180	1020	860	750	580	515	430	340	215	157	115	72	65
1.70V	1070	935	780	680	550	490	420	335	210	155	110	70	64
1.75V	980	830	750	670	540	460	390	333	205	153	105	68	62
1.80V	/	/	675	570	505	400	370	331	202	151	102	66	61.0

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	2120	1750	/	/	/	/	/	/	/	/	/	/
1.65V	1950	1700	1520	1370	1080	790	790	675	425	330	235	135
1.70V	1800	1580	1460	1250	1070	760	775	670	420	325	230	130
1.75V	1650	1500	1360	1210	1040	740	760	655	415	320	225	125
1.80V	/	/	1240	1080	960	695	730	640	410	315	215	120

Dimensions (mm)



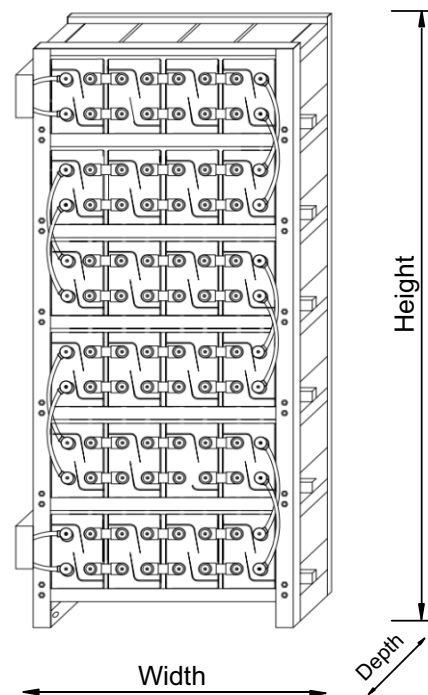
Racking (optional)

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-600
 Number of cells: 24
 System Voltage: 48

Cell Configuration	2 high 12 wide	4 high 6 wide	6 high 4 wide
Rack Width*	2510 mm	1255 mm	868 mm
Rack Depth	365 mm	365 mm	365 mm
Rack Height	644 mm	1188 mm	1732 mm
System Weight	899 kg	899 kg	899 kg

* Please allow 100mm for terminal boxes



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