

Eos-C

Eos-300C

The Eos-C range of VRLA batteries offers outstanding performance including a 15 years design life. 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.



Specifications

Battery Model	Eos-300C			
Nominal Voltage	2V			
Capacity (25°C)	10HR (30A, 1.80V)	3HR (75A, 1.80V)		1HR (165A,1.75V)
	300AH	225AH		165AH
Dimensions	Length	Width	Height	Total Height
	123mm	184.5mm	360.5mm	370mm
Approx. Weight	17.5kg			
Internal Resistance	Approx 0.52mΩ			
Short circuit current	3690 A			
Max Charge Current Allowed	75A			
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	12~15N·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	182	113	83.4	55.8	37.8	32.4	27.5	17.0
1.70V	178	112	82.0	55.2	37.2	31.8	27.0	16.7
1.75V	171	109	81.0	54.6	36.6	31.2	26.5	16.4
1.80V	160	104	78.6	52.8	36.0	30.6	26.0	16.1

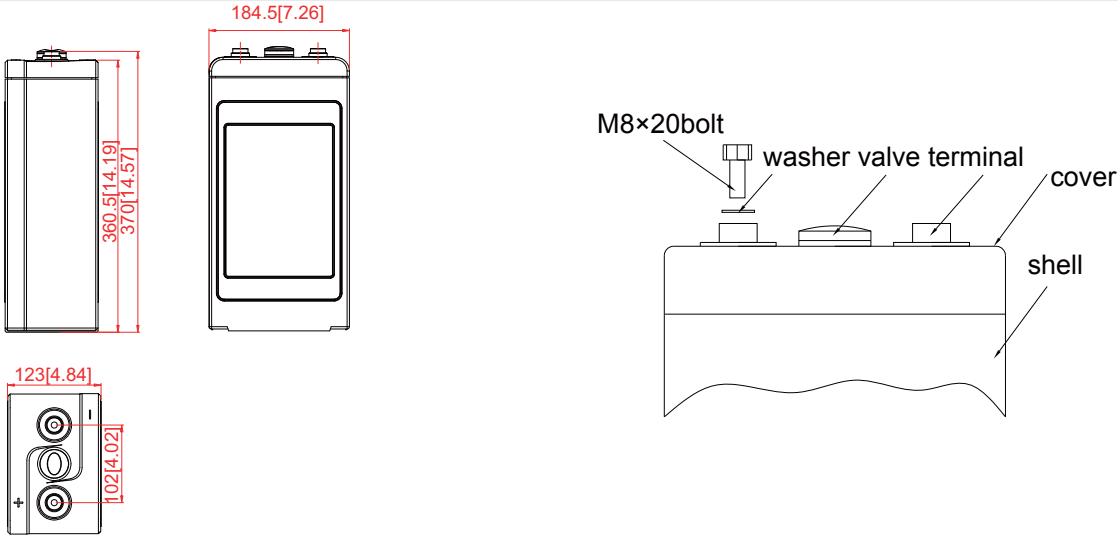
Constant Power Discharge Data Units: Watts per cell (25°C, 77 °F)

End Voltage	1h	2h	3h	5h	8h	10h	12h	20h
1.65V	315	207	155	107	74.4	62.4	53.0	32.8
1.70V	308	205	154	106	73.8	61.8	52.5	32.4
1.75V	296	201	153	105	73.2	61.2	52.0	32.1
1.80V	277	194	149	104	72.6	60.6	51.5	31.8

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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-300C
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	788 mm	1132 mm
System Weight	514 kg	514 kg

* Please allow 100mm for terminal boxes

