

Eos

Eos-300

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-300			
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	372mm
Approx. Weight	18.0kg			
Internal Resistance	Approx 0.42mΩ			
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	>10Nm			
Container Material	ABS (V0 optional)			

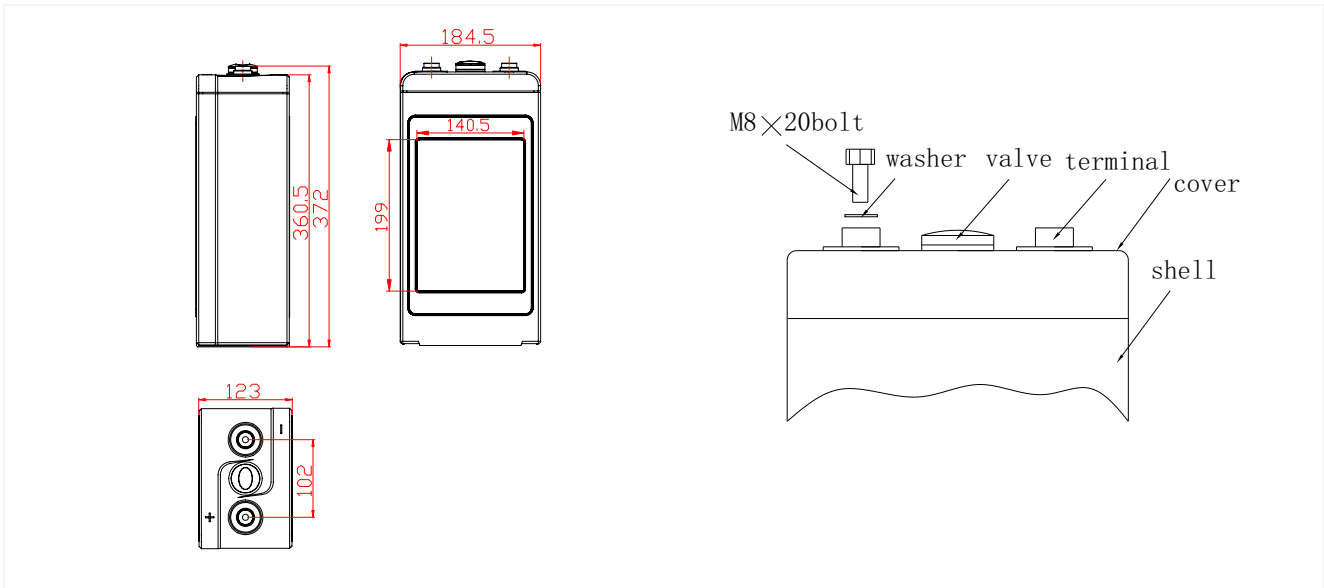
Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End voltage per cell	5min	10min	15min	20min	30min	40min	50min	1h	2h	3h	5h	8h	10h
1.60V	700	570	/	/	/	/	/	/	/	/	/	/	/
1.65V	615	530	440	390	300	260	220	174	111	81	60	37	33
1.70V	580	480	405	340	280	245	215	171	108	78	57	36	32
1.75V	490	420	380	320	275	230	205	168	105	77	54	35	31
1.80V	/	/	340	280	245	195	180	166	102	76	51	34	30.5

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	1160	950	/	/	/	/	/	/	/	/	/	/
1.65V	1060	910	760	700	550	470	400	345	219	171	123	72
1.70V	980	840	730	630	540	455	390	340	213	168	120	69
1.75V	900	790	690	615	530	440	380	330	210	165	117	66
1.80V	/	/	630	540	480	420	370	320	210	162	111	64

Dimensions (mm)



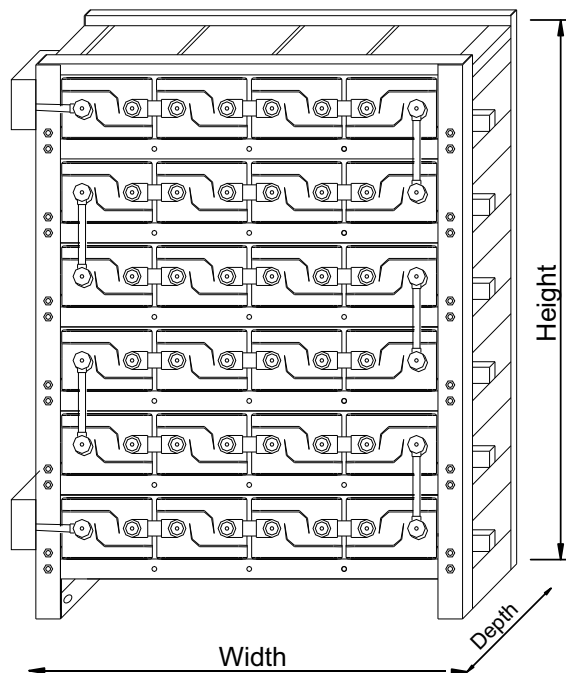
Racking (optional)

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-300
 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	502 kg	502 kg

* Please allow 100mm for terminal boxes



NARADA POWER SOURCE CO.,LTD.

Building A, Wing No.822 Wen'er West Road, Hangzhou, P.R.China
 Tel: +86-571-56975980 Fax: +86-571-56975955
 Website: en.naradapower.com E-mail: intl@narada.biz

NARADA ASIA PACIFIC PTE. LTD.

Block 9 Khaki Bukit Road 1 #02-10 Eunos Technolink,
 Singapore 415938
 Tel: +65-6848 1191 Fax: +65-6749 3498
 Website: www.narada-ap.com Email: sales@narada-ap.com

NARADA EUROPE (UK) LIMITED

Spectrum House, Dunstable Road, Redbourn,
 St. Albans, Herts AL3 7PR
 Tel: +44 (0)845 371 7095 Fax: +44 (0)845 612 2031
 E-mail: sales@naradaeurope.com

