

Eos

Eos-200

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-200			
Nominal Voltage	2V			
Capacity (25°C)	10HR (20A, 1.80V)	3HR (50A, 1.80V)	1HR (110A, 1.75V)	
	200AH	150AH	110AH	
Dimensions	Length	Width	Height	Total Height
	94.5mm	184.5mm	360.5mm	372mm
Approx. Weight	13.5kg			
Internal Resistance	Approx 0.58mΩ			
Max Charge Current Allowed	50A			
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	470	380	/	/	/	/	/	/	/	/	/	/	/
1.65V	410	350	295	260	195	175	150	115	74	55	40	25	23
1.70V	380	310	260	240	180	165	140	114	72	54	38	24	22
1.75V	330	280	245	230	175	155	135	112	70	52	36	23	21.5
1.80V	/	/	230	190	160	135	125	111	68	51	34	22	20.5

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	795	660	/	/	/	/	/	/	/	/	/	/
1.65V	730	630	515	475	370	320	270	230	146	118	85	52
1.70V	670	580	490	425	360	310	260	230	142	112	80	49
1.75V	620	545	470	410	350	300	250	225	140	110	75	45
1.80V	/	/	425	370	320	280	240	220	140	106	70	40

