

**Model: EOS-200**

**Eos**

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 the ability to be installed both horizontally and vertically 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**

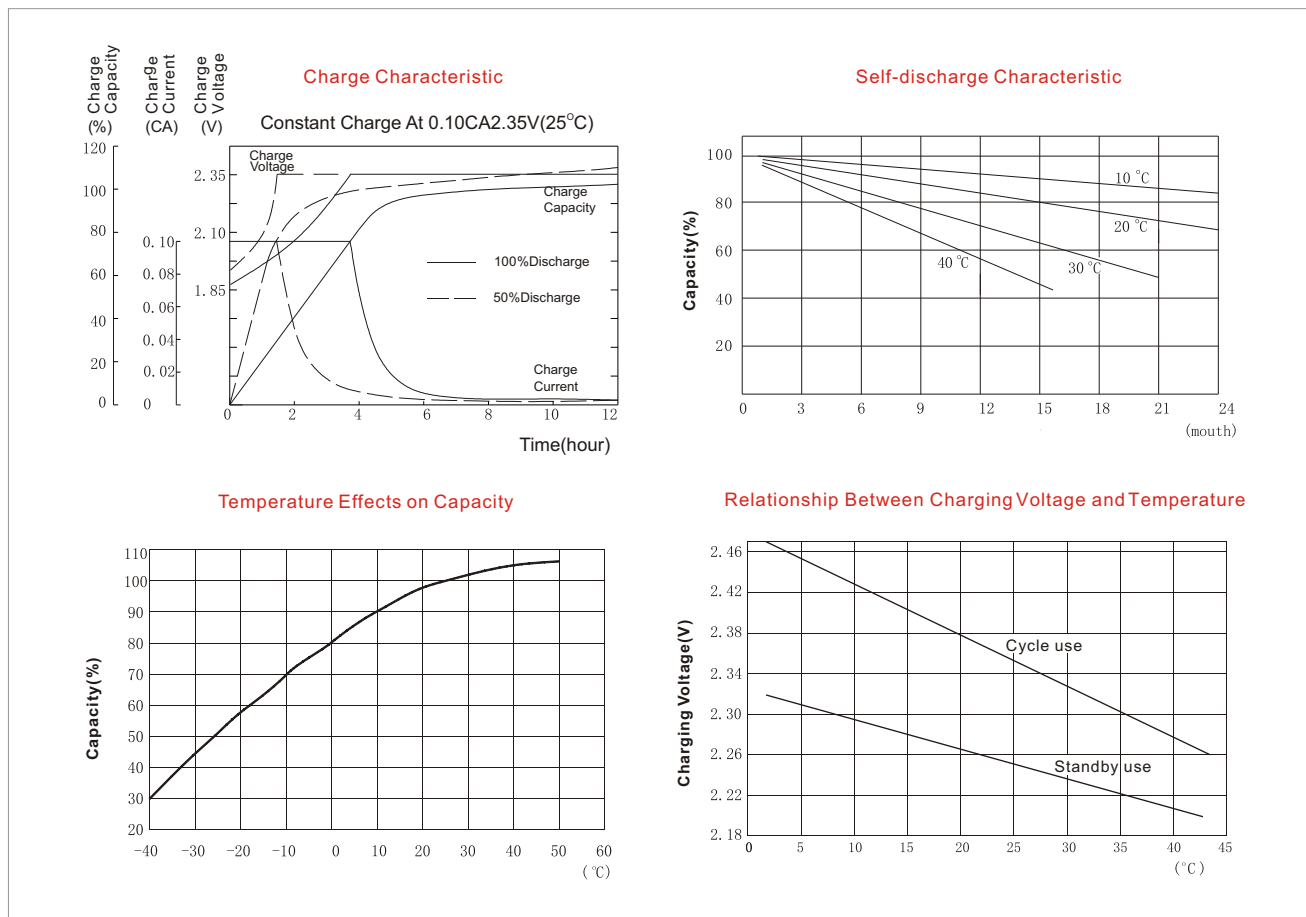
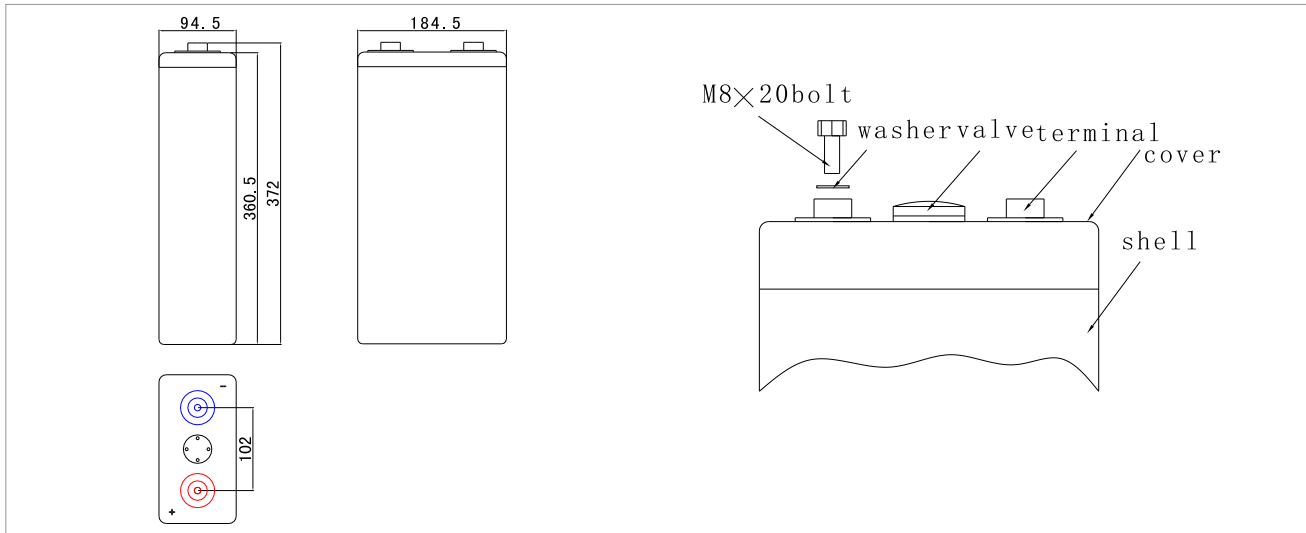
Battery Model	EOS-200			
Nominal Voltage	2V			
Capacity(25°C)	10HR(20A, 1.80V)	3HR(50A, 1.80V)		1HR(110A, 1.75V)
	200AH	150AH		110AH
Dimensions	Length	Width	Height	Total Height
	94.5mm	184.5mm	360.5mm	372mm
Approx. Weight	14.3kg			
Internal Resistance	0.67mΩ			
Max Charge Current Allowed	50A			
Charge 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	15 ± 1.0Nm			
Container Material	ABS (V0 optional)			

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

F.V/Time	5MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	24HR
1.60V	337	282	209	132	77.8	57.1	38.7	26.6	22.1	9.96
1.65V	311	263	200	125	76.0	55.7	37.8	26.3	21.9	9.92
1.70V	291	246	184	120	73.2	54.1	37.4	25.8	21.6	9.88
1.75V	277	233	171	114	70.6	52.4	36.4	25.5	21.2	9.76
1.80V	266	220	160	107	67.6	50.8	35.6	25.0	20.8	9.60
1.83V	248	207	152	100	64.6	49.2	34.7	24.6	20.3	9.40
1.85V	236	195	143	96.4	61.0	48.2	34.4	24.3	20.2	9.28
1.88V	219	178	134	92.3	59.7	47.2	34.0	24.0	20.0	9.20
1.90V	203	165	122	85.6	57.2	45.2	33.1	23.4	19.5	9.08
1.94V	182	147	108	76.0	51.7	41.6	30.6	21.8	18.4	8.80

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

F.V/Time	5MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	24HR
1.60V	572	479	382	272	176	130	85.9	57.3	46.8	21.1
1.65V	544	460	361	251	161	122	82.9	55.2	45.7	20.7
1.70V	523	444	352	239	156	118	81.0	54.0	44.3	20.3
1.75V	507	427	340	230	151	113	79.0	52.0	43.7	20.1
1.80V	493	407	328	225	148	109	76.8	50.7	43.0	19.8
1.83V	466	388	309	217	142	107	75.2	49.7	42.2	19.5
1.85V	448	371	292	204	136	104	73.2	49.0	41.3	19.0
1.88V	423	343	271	192	126	100	70.8	47.7	40.3	18.5
1.90V	396	322	246	176	118	96.0	68.4	45.8	38.3	17.8
1.94V	358	288	220	156	109	89.2	64.8	44.0	36.7	17.6



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