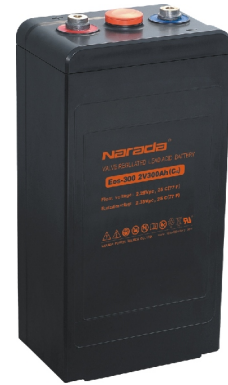


**Model: EOS-300**

**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**

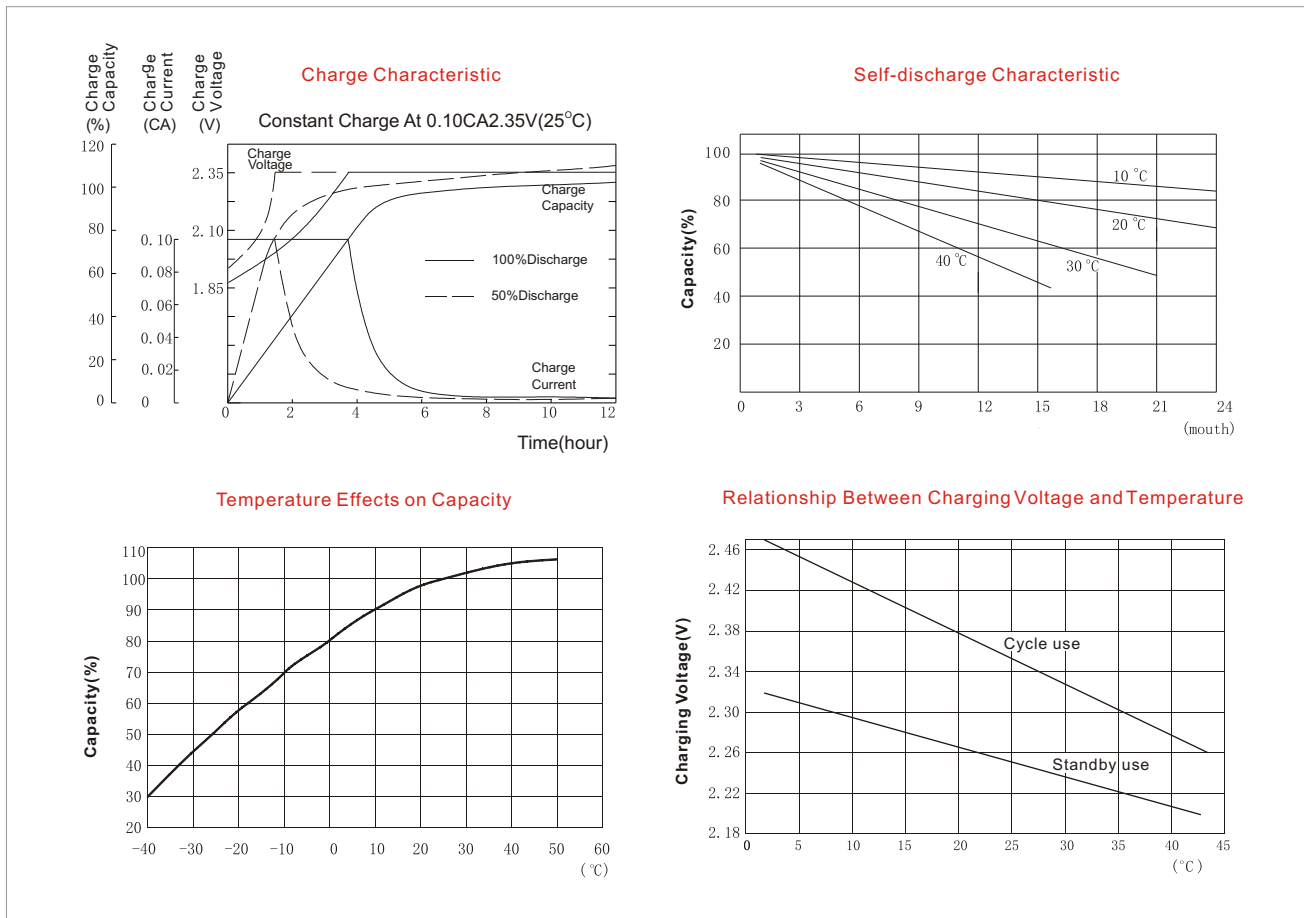
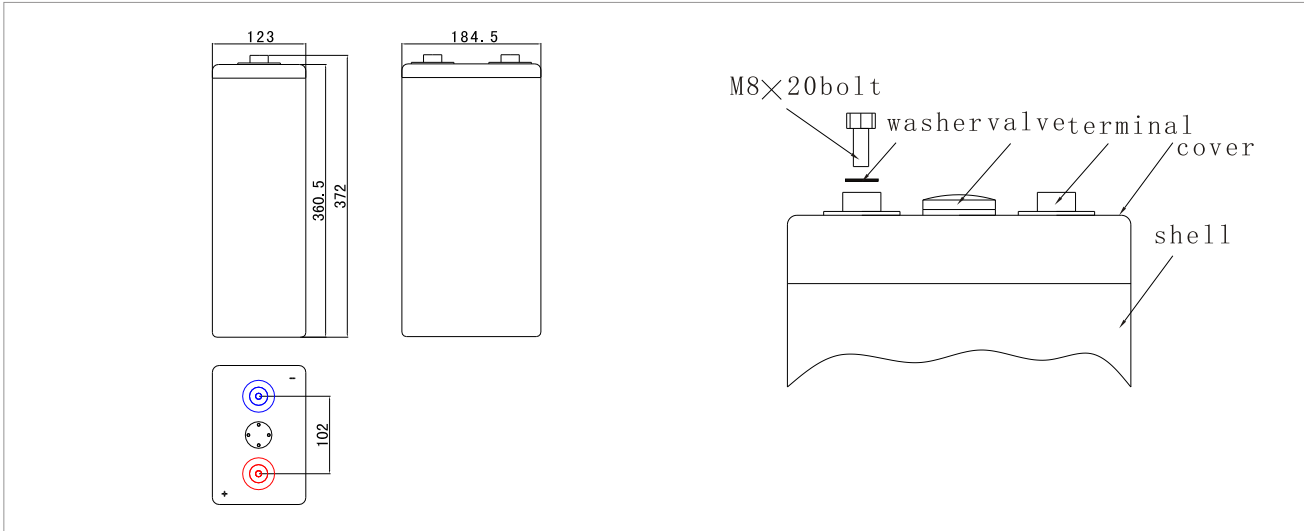
Battery Model	EOS-300			
Nominal Voltage	2V			
Capacity(25°C)	10HR(30A, 1.80V)	3HR(75A, 1.80V)		1HR(165A, 1.75V)
	300AH	225AH		165AH
Dimensions	Length	Width	Height	Total Height
	123mm	184.5mm	360.5mm	372mm
Approx. Weight	19kg			
Internal Resistance	0.47mΩ			
Max Charge Current Allowed	75A			
Charge Voltage(25°C)	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	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	505	423	313	198	117	85.6	58.1	40.0	33.2	14.9
1.65V	467	394	300	188	114	83.5	56.6	39.4	32.8	14.9
1.70V	436	370	276	179	110	81.1	56.2	38.7	32.3	14.8
1.75V	416	350	257	171	106	78.6	54.6	38.2	31.9	14.6
1.80V	400	330	240	160	101	76.2	53.3	37.5	31.1	14.4
1.83V	372	310	229	150	96.8	73.7	52.1	36.8	30.5	14.1
1.85V	354	293	214	145	91.5	72.3	51.5	36.4	30.3	13.9
1.88V	329	267	201	139	89.5	70.8	51.0	36.0	30.1	13.8
1.90V	304	247	184	128	85.8	67.8	49.6	35.0	29.3	13.6
1.94V	274	220	163	114	77.5	62.3	46.0	32.8	27.6	13.2

**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	859	719	573	408	263	195	129	86.0	70.2	31.5
1.65V	817	690	542	377	242	183	124	82.8	68.5	31.1
1.70V	785	666	528	359	235	177	122	81.0	66.5	30.5
1.75V	761	641	510	345	226	170	119	78.0	65.5	30.0
1.80V	740	611	492	337	222	164	115	76.0	64.5	29.9
1.83V	699	583	464	325	213	160	113	74.5	63.3	29.3
1.85V	673	556	438	307	204	155	110	73.5	62.0	28.4
1.88V	635	515	407	288	190	150	106	71.5	60.5	27.7
1.90V	594	483	369	264	177	144	103	68.8	57.5	26.7
1.94V	537	432	331	234	164	134	97.2	66.0	55.0	26.3



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