

**Model: EosG1250**

**EosG series**

The EosG range of gel technology batteries offers outstanding performance including a 15+ years design life. The EosG series batteries is designed based on the Eos range, using the polymer gel electrolyte. 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.



**Specifications**

Battery Model	EosG1250			
Nominal Voltage	2V			
Capacity (25°C)	10HR(125A,1.80V)	3HR(312.5A,1.80V)		1HR(687.5A,1.75V)
	1250AH	937.5AH		687.5AH
Dimensions	Length	Width	Height	Total Height
	225mm	229mm	555mm	566mm
Approx. Weight	80kg			
Internal Resistance	0.17mΩ			
Max Charge Current Allowed	325A			
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 Data Units: Amperes (25°C, 77°F)**

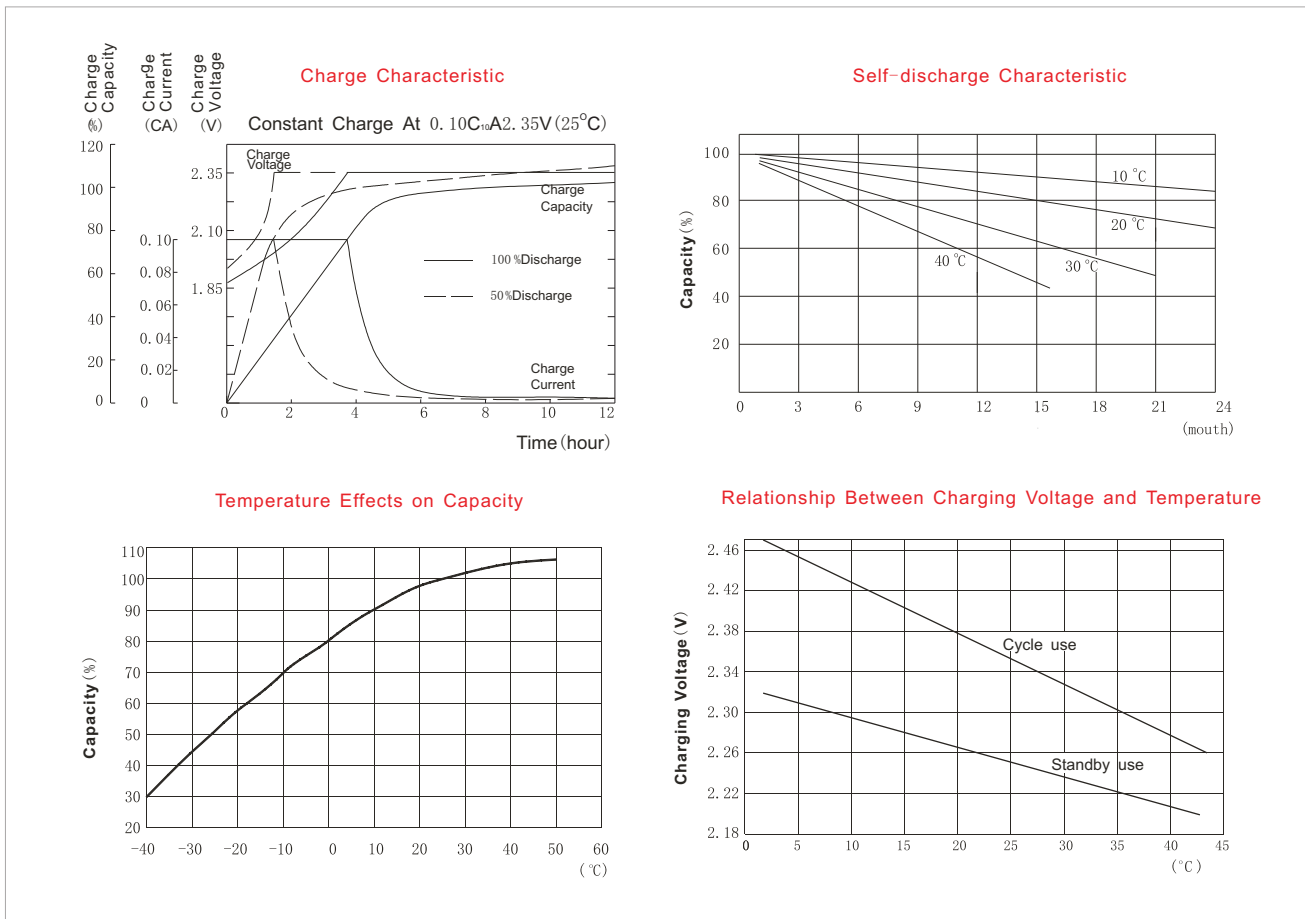
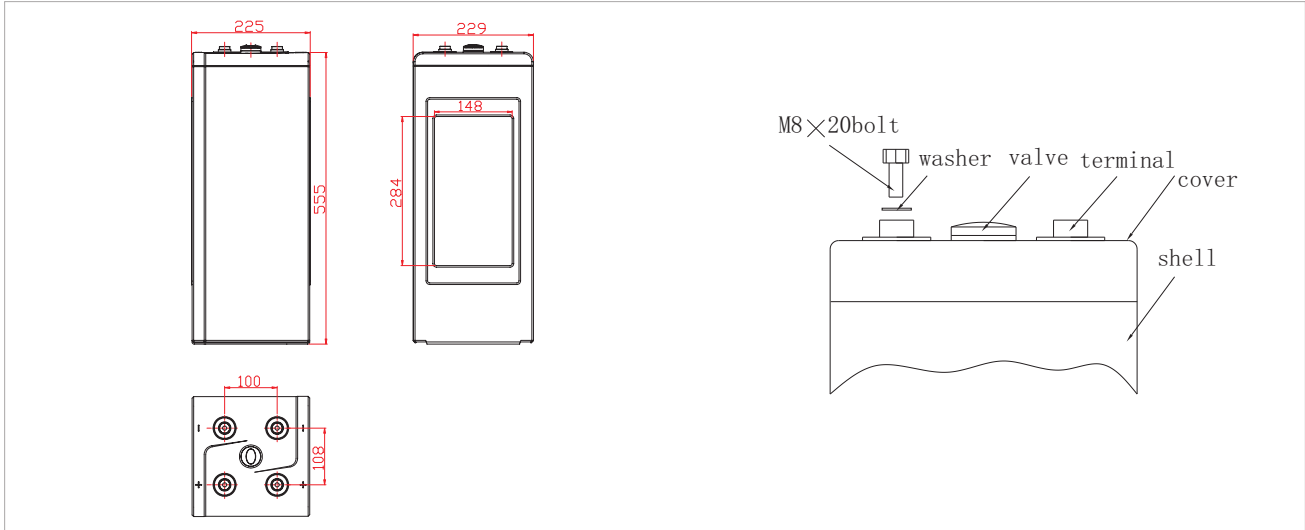
End voltage	5min	15min	30min	1h	2h	3h	5h	6h	8h	10h	24h	48h	100h
1.60V	1819	1530	1244	820	505	371	241	208	163	133	61.8	33.0	18.5
1.65V	1706	1440	1134	774	490	361	238	205	161	133	60.9	32.7	18.2
1.70V	1603	1363	1037	735	474	344	232	200	159	130	60.6	32.5	17.9
1.75V	1512	1283	956	689	456	336	228	197	157	129	60.1	32.1	17.5
1.80V	1428	1197	895	654	442	326	221	192	152	128	58.8	31.5	16.9
1.85V	1226	1018	787	582	399	302	209	183	148	122	57.1	30.0	16.3
1.90V	1004	804	654	478	333	268	189	165	133	112	53.3	28.0	15.1

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

End voltage	5min	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	12h	24h
1.60V	3551	2974	2368	1686	1088	806	643	532	455	355	290	244	131
1.65V	3377	2854	2240	1558	998	756	610	514	440	342	283	238	128
1.70V	3247	2752	2184	1484	969	729	589	502	431	335	275	231	126
1.75V	3145	2649	2109	1426	935	703	576	490	422	322	271	228	125
1.80V	3058	2525	2035	1393	917	678	558	476	409	314	267	224	123
1.85V	2781	2300	1809	1267	843	642	536	454	387	304	256	216	118
1.90V	2455	1996	1526	1091	731	595	499	424	362	284	238	200	110

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