

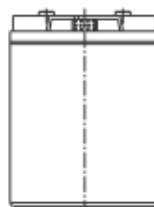
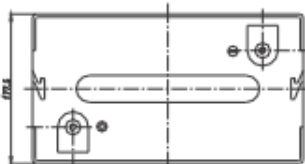
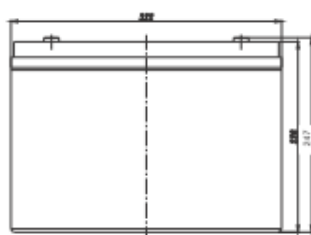


Challenger G6-200 – VRLA battery with GEL technology. G12 is designed for cycling usage and discharge application under extreme conditions. By using strong grid, high purity lead and patented GEL electrolyte, G series offer excellent recovery after deep discharge and can deliver 400 cycles at 100% DOD. Suitable for solar, wind energy, photovoltaic, marine and RV, for deep discharge UPS applications.

Model	Capacity, Ah		Dimension, mm			Weight, kg
	C10@1,80vpc	C20@1,75vpc	L	W	H	
G6-200	182,90	197,8	322	178	226	29,0

Voltage, V	6 V
Max discharge current, A	2000 (5 sec)
Internal resistance	4 mΩ
Operating temperature range	discharge: -20...+60°C charge: -20...+50°C storage: -20...+50°C
Float charging voltage	6.8-6.9 V (25°C)
Recommended max charge current	40,0A
Equalization and cycle service	7.1-7.2V (25°C)
Self Discharge	< 3% / month
Terminals	F14/F16
Case material	ABS (UL94-HB). Option - UL94-HB (V0) (on request)
Positive plate	Flat plate, lead dioxide
Negative plate	Flat plate Pb-Ca-Tn alloy
Lead	99,9998% purity
Separator	PE

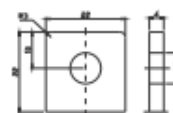
Unit: mm Dimension: 322(L)×178(W)×226(H)



Terminal F14

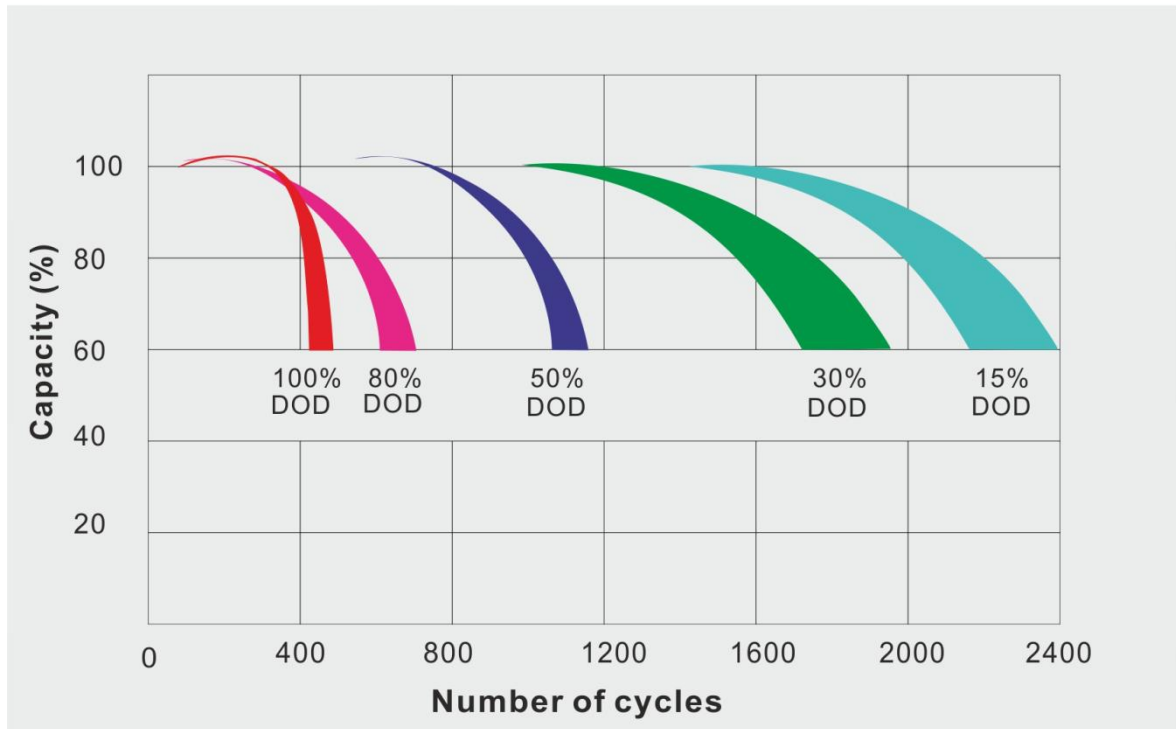


Terminal F16



Constant current discharge, A (25°C)												
Final voltage / time	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
4.80V	501.4	358.8	288.1	193.0	117.7	70.42	48.67	39.89	32.65	22.49	19.02	10.46
5.00V	486.9	341.4	282.1	190.0	117.1	69.89	48.49	39.70	32.46	22.31	18.83	10.27
5.10V	472.5	329.4	277.7	190.2	116.1	69.36	48.11	39.52	32.27	22.12	18.65	10.08
5.25V	429.3	307.5	267.5	187.2	115.0	68.83	47.93	39.15	31.88	21.94	18.47	9.889
5.40V	392.0	283.7	249.5	180.7	112.2	67.59	46.62	38.23	31.31	21.58	18.29	9.699
5.55V	338.5	256.5	226.3	170.9	106.6	64.59	44.57	36.38	29.96	20.66	17.74	9.128
Constant power discharge, A (25°C)												
Final voltage / time	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
4.80V	2593	1911	1584	1100	679.9	415.0	289.6	237.7	194.8	134.3	113.6	62.70
5.00V	2542	1852	1559	1088	678.3	412.8	289.7	237.4	194.3	133.6	112.9	61.61
5.10V	2513	1803	1541	1091	673.1	410.3	288.4	236.9	193.6	132.7	111.9	60.47
5.25V	2315	1699	1487	1076	667.0	407.3	287.3	234.7	191.3	131.7	110.8	59.33
5.40V	2133	1585	1391	1041	654.7	402.1	279.5	229.4	187.8	129.5	109.7	58.19
5.55V	1895	1449	1266	987.1	626.7	387.2	267.4	218.3	179.8	124.0	106.4	54.77

Challenger Deep Cycle GEL G12 Number of cycles vs DOD



Number of cycles for Challenger G12 (80% DOD)

