

Аккумуляторные батареи серии GP

Технические характеристики

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GP Series

Extended Discharge Tables

6V + 12V Top Terminal VRLA-AGM

* Published specification data is subject to change without notice

GP645

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	18.7	12.3	9.08	5.37	3.11	2.26	1.80	1.26	0.810	0.535	0.439	0.234
1.65V	17.9	11.9	8.94	5.33	3.10	2.25	1.79	1.25	0.809	0.534	0.438	0.233
1.67V	17.6	11.8	8.88	5.31	3.09	2.25	1.79	1.25	0.808	0.533	0.438	0.233
1.70V	17.0	11.6	8.79	5.28	3.08	2.23	1.78	1.24	0.807	0.532	0.437	0.232
1.75V	16.1	11.2	8.62	5.21	3.06	2.22	1.77	1.23	0.804	0.531	0.435	0.229
1.80V	15.0	10.7	8.42	5.13	3.03	2.21	1.76	1.22	0.801	0.529	0.431	0.225
1.85V	13.8	10.3	8.21	5.04	3.00	2.18	1.74	1.21	0.798	0.528	0.428	0.221

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	111	72.4	54.8	32.9	19.3	14.0	11.1	8.05	5.33	3.55	2.90	1.60
1.65V	105	70.5	53.7	32.8	19.2	13.9	11.0	8.00	5.30	3.54	2.89	1.59
1.67V	103	69.7	53.3	32.7	19.2	13.9	11.0	7.98	5.29	3.54	2.89	1.59
1.70V	100	68.6	52.5	32.4	19.1	13.8	10.9	7.95	5.24	3.52	2.88	1.58
1.75V	93.9	66.4	51.2	32.3	19.0	13.7	10.8	7.87	5.21	3.51	2.87	1.57
1.80V	88.5	64.1	50.0	31.8	18.8	13.5	10.7	7.85	5.16	3.48	2.85	1.56
1.85V	82.7	61.1	48.3	30.5	18.3	13.3	10.6	7.74	5.10	3.44	2.81	1.54

GP672

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	35.6	22.0	16.5	9.61	5.51	3.92	3.08	2.13	1.34	0.92	0.77	0.45
1.65V	33.8	21.3	16.1	9.43	5.44	3.87	3.04	2.09	1.32	0.91	0.76	0.44
1.67V	33.1	21.0	15.9	9.36	5.41	3.85	3.02	2.08	1.31	0.90	0.76	0.44
1.70V	31.9	20.5	15.6	9.24	5.37	3.82	3.00	2.06	1.30	0.89	0.75	0.43
1.75V	29.6	19.6	15.1	9.03	5.30	3.77	2.96	2.02	1.27	0.88	0.74	0.42
1.80V	27.2	18.6	14.4	8.77	5.23	3.71	2.91	1.98	1.25	0.87	0.73	0.41
1.85V	24.5	17.4	13.7	8.44	5.14	3.66	2.87	1.95	1.22	0.86	0.71	0.40

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	180	123	91.4	53.9	32.2	23.5	18.8	13.3	8.62	5.87	4.90	2.68
1.65V	173	119	89.5	53.2	31.9	23.3	18.6	13.2	8.53	5.82	4.86	2.64
1.67V	170	118	88.7	52.9	31.8	23.2	18.5	13.2	8.50	5.80	4.84	2.63
1.70V	165	115	87.2	52.4	31.6	23.1	18.4	13.1	8.45	5.76	4.77	2.61
1.75V	157	111	85.0	51.6	31.2	22.8	18.2	13.0	8.36	5.70	4.73	2.57
1.80V	147	106	82.3	50.6	30.9	22.5	18.0	12.8	8.27	5.65	4.70	2.53
1.85V	138	101	79.2	49.5	30.4	22.1	17.7	12.6	8.16	5.60	4.64	2.49



GP6120

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	51.2	33.2	23.9	13.9	8.14	5.90	4.69	3.37	2.24	1.45	1.19	0.640
1.65V	49.1	32.3	23.7	13.8	8.13	5.86	4.64	3.36	2.22	1.44	1.18	0.628
1.67V	48.2	32.0	23.6	13.7	8.12	5.84	4.62	3.35	2.21	1.44	1.18	0.623
1.70V	46.3	31.6	23.3	13.6	8.08	5.82	4.61	3.32	2.18	1.43	1.17	0.610
1.75V	43.3	30.0	22.6	13.4	8.03	5.77	4.57	3.26	2.13	1.40	1.15	0.600
1.80V	38.8	28.0	21.5	13.0	7.81	5.64	4.48	3.17	2.06	1.37	1.14	0.584
1.85V	34.2	25.3	19.8	12.3	7.51	5.41	4.29	3.03	1.97	1.32	1.09	0.568

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	269	173	134	79.8	48.9	35.3	28.0	19.8	12.7	8.36	6.91	3.85
1.65V	260	172	133	79.7	48.8	35.2	27.9	19.7	12.6	8.32	6.87	3.82
1.67V	257	171	132	79.6	48.8	35.1	27.8	19.7	12.6	8.30	6.85	3.81
1.70V	250	168	131	78.8	48.5	35.0	27.7	19.5	12.5	8.25	6.80	3.80
1.75V	231	163	128	78.1	48.1	34.6	27.5	19.3	12.2	8.12	6.69	3.77
1.80V	209	153	121	76.3	47.4	34.0	26.8	18.9	12.0	7.91	6.52	3.71
1.85V	185	140	111	72.2	45.8	33.1	26.3	18.1	11.7	7.73	6.36	3.61

GP1245

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	18.7	12.3	9.08	5.37	3.11	2.26	1.80	1.26	0.810	0.535	0.439	0.234
1.65V	17.9	11.9	8.94	5.33	3.10	2.25	1.79	1.25	0.809	0.534	0.438	0.233
1.67V	17.6	11.8	8.88	5.31	3.09	2.25	1.79	1.24	0.808	0.533	0.438	0.233
1.70V	17.0	11.6	8.79	5.28	3.08	2.23	1.78	1.24	0.807	0.532	0.437	0.232
1.75V	16.1	11.2	8.62	5.21	3.06	2.22	1.77	1.23	0.804	0.531	0.435	0.229
1.80V	15.0	10.7	8.42	5.13	3.03	2.21	1.76	1.22	0.801	0.529	0.431	0.225
1.85V	13.8	10.3	8.21	5.04	3.00	2.18	1.74	1.21	0.798	0.528	0.428	0.221

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	221	145	110	65.9	38.6	27.9	22.2	16.1	10.7	7.09	5.79	3.19
1.65V	210	141	108	65.5	38.5	27.8	22.1	16.0	10.6	7.08	5.78	3.18
1.67V	206	139	107	65.4	38.4	27.7	22.0	16.0	10.6	7.08	5.78	3.17
1.70V	199	137	105	64.9	38.1	27.6	21.9	15.9	10.5	7.04	5.76	3.16
1.75V	188	133	102	64.7	38.0	27.5	21.8	15.8	10.4	7.02	5.74	3.16
1.80V	177	128	100	63.6	37.7	27.2	21.5	15.7	10.3	6.96	5.71	3.13
1.85V	165	122	96.6	60.9	36.7	26.7	21.3	15.5	10.2	6.89	5.63	3.09



GP1245(12V16W)

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	36.5	24.0	20.5	18.0	14.4	11.9	8.80	6.91	4.91	3.50	2.75	1.96
1.65V	34.6	23.1	19.9	17.7	14.2	11.8	8.70	6.88	4.90	3.48	2.74	1.95
1.67V	33.8	22.7	19.7	17.6	14.1	11.8	8.66	6.87	4.89	3.48	2.73	1.94
1.70V	32.0	22.1	19.2	17.1	13.9	11.7	8.61	6.83	4.87	3.46	2.71	1.92
1.75V	28.8	20.7	18.1	16.2	13.4	11.4	8.42	6.71	4.80	3.42	2.69	1.90
1.80V	25.0	19.1	16.8	15.2	12.6	10.9	8.22	6.51	4.69	3.36	2.65	1.88
1.85V	21.8	17.0	15.0	13.6	11.6	10.1	7.60	6.07	4.46	3.21	2.54	1.82

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	367	246	214	191	157	134	99.4	79.2	57.3	41.2	32.6	23.1
1.65V	348	242	211	188	154	133	98.8	78.4	56.9	40.9	32.4	23.0
1.67V	341	240	209	187	153	132	98.6	78.1	56.8	40.8	32.3	23.0
1.70V	326	233	204	183	152	131	97.2	77.9	56.6	40.6	32.1	22.9
1.75V	298	221	195	176	146	127	96.5	76.8	56.4	40.3	31.8	22.8
1.80V	270	204	182	165	141	122	92.9	74.9	55.3	39.6	31.3	22.3
1.85V	239	184	165	151	131	113	87.5	70.4	52.9	38.3	30.4	21.6

GP1272

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	34.3	21.1	15.4	8.89	5.15	3.74	2.97	2.15	1.42	0.940	0.774	0.416
1.65V	33.3	20.9	15.3	8.87	5.14	3.73	2.96	2.14	1.41	0.938	0.772	0.415
1.67V	32.8	20.8	15.3	8.87	5.14	3.73	2.96	2.14	1.41	0.937	0.771	0.415
1.70V	31.9	20.5	15.1	8.83	5.13	3.72	2.95	2.13	1.40	0.936	0.770	0.414
1.75V	30.0	19.8	14.8	8.72	5.09	3.71	2.94	2.12	1.39	0.932	0.767	0.412
1.80V	27.6	18.6	14.2	8.49	4.99	3.66	2.91	2.10	1.38	0.921	0.758	0.407
1.85V	24.4	16.9	13.1	8.06	4.80	3.54	2.81	2.04	1.33	0.892	0.734	0.393

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	362	233	174	104	60.4	44.1	35.1	25.4	17.1	11.5	9.45	5.04
1.65V	355	231	173	103	60.3	44.0	35.0	25.3	17.0	11.5	9.44	5.03
1.67V	352	230	172	103	60.2	44.0	35.0	25.3	17.0	11.4	9.43	5.03
1.70V	345	227	171	102	60.2	43.9	34.9	25.2	16.9	11.3	9.42	5.02
1.75V	329	219	168	101	59.8	43.8	34.8	25.1	16.8	11.2	9.39	5.01
1.80V	304	207	162	100	58.9	43.3	34.5	25.0	16.7	11.1	9.31	4.95
1.85V	273	192	151	95.5	56.9	42.0	33.5	24.4	16.3	11.0	9.06	4.80



GP1272 (12V25W)

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	48.5	33.2	28.6	25.2	20.6	17.5	12.9	10.3	7.46	5.38	4.27	3.08
1.65V	45.4	32.0	27.7	24.6	20.2	17.3	12.8	10.2	7.42	5.35	4.25	3.06
1.67V	44.1	31.5	27.4	24.4	20.1	17.2	12.7	10.2	7.40	5.34	4.24	3.06
1.70V	42.2	30.5	26.6	23.8	19.8	17.0	12.6	10.1	7.36	5.32	4.22	3.05
1.75V	38.0	28.2	24.9	22.5	19.0	16.3	12.3	9.88	7.25	5.25	4.18	3.02
1.80V	33.6	25.5	22.8	20.8	17.7	15.3	11.7	9.49	7.04	5.12	4.08	2.97
1.85V	28.7	22.3	20.3	18.7	15.9	14.0	10.8	8.85	6.67	4.87	3.90	2.85

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	490	346	303	271	224	192	143	115	85.0	62.2	49.8	36.5
1.65V	464	336	296	266	222	190	142	114	84.7	62.0	49.7	36.4
1.67V	454	332	293	264	221	189	141	114	84.6	61.9	49.6	36.3
1.70V	436	324	286	259	218	187	140	113	84.2	61.7	49.5	36.2
1.75V	401	306	272	248	210	181	138	112	83.3	61.1	49.1	36.0
1.80V	368	284	254	232	197	172	133	108	81.3	59.9	48.2	35.5
1.85V	321	253	229	211	180	159	123	102	77.5	57.4	46.4	34.3

GP1272 (12V28W)

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	58.3	39.7	34.1	29.9	24.1	20.8	15.0	12.0	8.73	6.29	4.98	3.52
1.65V	54.4	37.6	32.5	28.8	23.7	20.5	14.9	11.9	8.67	6.25	4.96	3.51
1.67V	52.8	36.8	31.9	28.3	23.5	20.4	14.9	11.9	8.65	6.24	4.95	3.50
1.70V	50.2	35.4	30.8	27.5	23.0	20.1	14.7	11.8	8.61	6.21	4.92	3.48
1.75V	45.7	32.6	28.7	26.0	22.1	19.5	14.4	11.6	8.53	6.16	4.89	3.46
1.80V	41.1	29.8	26.6	24.4	20.7	18.5	13.9	11.2	8.26	6.02	4.81	3.41
1.85V	36.5	27.3	24.5	22.7	19.3	17.1	13.0	10.6	7.92	5.79	4.63	3.31

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	595	410	356	318	268	232	174	139	101	73.4	58.5	41.8
1.65V	564	394	344	309	264	230	173	138	100	73.0	58.2	41.7
1.67V	552	387	339	305	262	229	172	138	100	72.8	58.1	41.6
1.70V	532	373	329	298	260	226	171	137	99.3	72.4	57.8	41.4
1.75V	499	350	312	286	249	220	168	135	98.8	71.9	57.4	41.1
1.80V	464	327	294	272	237	212	162	132	96.8	70.6	56.4	40.6
1.85V	425	305	275	256	220	197	152	125	93.1	68.4	54.9	39.6



GP12120

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	51.2	33.2	23.9	13.9	8.14	5.90	4.69	3.37	2.24	1.45	1.19	0.63
1.65V	49.1	32.3	23.7	13.8	8.13	5.86	4.64	3.36	2.22	1.44	1.18	0.62
1.67V	48.2	32.0	23.6	13.7	8.12	5.84	4.62	3.35	2.21	1.44	1.18	0.62
1.70V	46.3	31.6	23.3	13.6	8.08	5.82	4.61	3.32	2.18	1.43	1.17	0.61
1.75V	43.3	30.0	22.6	13.4	8.03	5.77	4.57	3.26	2.13	1.40	1.15	0.60
1.80V	38.8	28.0	21.5	13.0	7.81	5.64	4.48	3.17	2.06	1.37	1.14	0.59
1.85V	34.2	25.3	19.8	12.3	7.51	5.41	4.29	3.03	1.97	1.32	1.09	0.57

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	539	347	268	160	97.9	70.6	55.9	39.6	25.3	16.7	13.8	7.70
1.65V	522	343	266	159	97.8	70.3	55.7	39.4	25.2	16.6	13.7	7.65
1.67V	515	342	265	159	97.7	70.2	55.6	39.3	25.2	16.6	13.7	7.63
1.70V	499	336	262	158	97.0	69.9	55.4	39.0	25.0	16.5	13.6	7.61
1.75V	462	326	256	156	96.1	69.3	54.9	38.5	24.4	16.2	13.4	7.54
1.80V	418	307	243	153	94.8	68.0	53.7	37.7	24.1	15.8	13.1	7.42
1.85V	369	280	221	144	91.6	66.2	52.6	36.3	23.3	15.5	12.7	7.23

GP12170

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	80.2	50.9	38.5	23.4	13.8	10.1	8.03	5.72	3.63	2.37	1.93	1.00
1.65V	73.8	48.5	37.1	23.0	13.7	10.0	8.00	5.70	3.62	2.36	1.91	0.96
1.67V	71.2	47.5	36.5	22.9	13.7	10.0	7.99	5.69	3.61	2.35	1.90	0.95
1.70V	67.4	45.8	35.6	22.7	13.6	9.99	7.97	5.67	3.60	2.34	1.89	0.94
1.75V	61.0	43.1	34.1	22.3	13.4	9.86	7.92	5.64	3.59	2.32	1.86	0.91
1.80V	54.5	40.2	32.7	21.8	13.3	9.79	7.87	5.61	3.58	2.30	1.83	0.88
1.85V	48.0	37.3	31.0	21.2	13.1	9.68	7.80	5.56	3.56	2.27	1.80	0.85

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	890	583	449	281	166	121	96.4	68.6	43.6	28.4	23.1	12.0
1.65V	819	555	430	277	165	120	96.1	68.5	43.5	28.3	22.9	11.6
1.67V	790	544	423	275	164	120	96.0	68.5	43.4	28.3	22.8	11.5
1.70V	748	527	413	272	163	119	95.8	68.4	43.3	28.2	22.7	11.3
1.75V	677	493	395	267	161	119	95.3	67.9	43.2	27.9	22.4	10.9
1.80V	605	460	377	261	160	118	94.6	67.3	43.0	27.6	22.0	10.5
1.85V	533	427	361	254	158	116	93.8	66.8	42.9	27.3	21.7	10.1

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GP Series

Extended Discharge Tables

6V + 12V Top Terminal VRLA-AGM

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GP12200

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	83.9	53.5	39.6	23.8	14.1	10.4	8.22	5.93	3.88	2.61	2.15	1.16
1.65V	79.8	52.2	39.2	23.6	14.0	10.3	8.19	5.91	3.87	2.60	2.15	1.15
1.67V	78.2	51.7	39.0	23.5	14.0	10.3	8.17	5.90	3.87	2.60	2.14	1.15
1.70V	74.6	50.4	38.5	23.4	13.9	10.2	8.15	5.89	3.86	2.59	2.13	1.14
1.75V	67.8	47.4	37.0	22.9	13.7	10.1	8.09	5.84	3.83	2.57	2.12	1.13
1.80V	60.8	43.6	34.5	22.0	13.4	10.0	7.95	5.74	3.76	2.53	2.09	1.12
1.85V	51.7	39.2	31.0	20.7	12.7	9.59	7.63	5.52	3.62	2.45	2.02	1.09

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	854	575	443	271	163	121	96.1	69.5	46.0	31.2	25.8	14.0
1.65V	820	565	440	270	163	120	95.9	69.3	45.9	31.1	25.7	13.9
1.67V	807	561	438	270	162	120	95.8	69.2	45.8	31.1	25.7	13.9
1.70V	781	551	433	268	161	119	95.6	69.1	45.7	31.0	25.6	13.8
1.75V	732	528	420	264	160	118	95.1	68.7	45.5	30.9	25.5	13.7
1.80V	671	497	396	257	157	117	93.8	67.7	44.9	30.5	25.2	13.6
1.85V	581	461	364	244	151	114	90.5	65.4	43.4	29.5	24.5	13.4

GP12260

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	106	69.0	52.8	32.7	19.6	14.3	11.5	8.14	5.24	3.46	2.82	1.47
1.65V	101	66.8	51.6	32.4	19.5	14.2	11.4	8.13	5.23	3.44	2.80	1.43
1.67V	99.0	65.9	51.1	32.3	19.5	14.2	11.4	8.13	5.23	3.43	2.79	1.42
1.70V	95.7	64.6	50.4	32.2	19.4	14.1	11.3	8.12	5.22	3.42	2.78	1.41
1.75V	89.7	62.0	49.0	31.6	19.3	14.0	11.2	8.11	5.21	3.38	2.74	1.37
1.80V	83.3	59.4	47.5	31.1	19.2	13.9	11.1	8.10	5.19	3.35	2.70	1.33
1.85V	76.7	56.5	45.8	30.5	19.1	13.8	11.0	8.09	5.17	3.31	2.66	1.29

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	1270	828	634	392	235	172	138	97.7	62.9	41.5	33.8	17.6
1.65V	1206	801	617	387	234	171	137	97.6	62.8	41.3	33.6	17.2
1.67V	1181	790	610	385	234	171	137	97.6	62.8	41.2	33.5	17.1
1.70V	1139	772	602	382	233	170	136	97.5	62.7	41.0	33.3	16.9
1.75V	1071	744	586	378	232	169	135	97.4	62.6	40.6	32.9	16.5
1.80V	999	713	570	373	231	168	134	97.3	62.3	40.2	32.4	16.0
1.85V	920	678	550	367	230	167	133	97.2	62.1	39.8	32.0	15.6



GP Series

Extended Discharge Tables

6V + 12V Top Terminal VRLA-AGM

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GP12340

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	148	101	75.0	43.2	24.9	18.0	14.3	10.3	6.66	4.40	3.60	1.91
1.65V	138	97.0	73.5	42.8	24.8	17.9	14.2	10.3	6.63	4.38	3.59	1.91
1.67V	134	95.5	72.8	42.6	24.7	17.9	14.2	10.2	6.62	4.37	3.58	1.90
1.70V	127	91.9	71.4	42.2	24.5	17.8	14.1	10.1	6.60	4.36	3.57	1.89
1.75V	112	84.2	67.9	41.1	24.1	17.6	14.0	10.0	6.54	4.33	3.55	1.88
1.80V	99.9	75.6	62.4	39.3	23.4	17.1	13.7	9.91	6.43	4.26	3.49	1.86
1.85V	84.3	68.4	55.5	36.8	22.1	16.3	13.1	9.52	6.18	4.10	3.36	1.79

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	1458	1057	822	517	302	217	172	123	79.4	52.6	43.1	23.0
1.65V	1373	1027	810	513	300	216	171	122	79.2	52.5	43.0	22.9
1.67V	1339	1014	804	511	299	216	171	122	79.1	52.4	43.0	22.9
1.70V	1284	986	792	506	297	215	170	121	79.0	52.3	42.8	22.8
1.75V	1198	925	757	494	293	213	169	120	78.4	52.0	42.6	22.7
1.80V	1088	852	702	475	285	209	167	119	77.4	51.3	42.1	22.5
1.85V	950	786	639	448	268	199	161	115	74.8	49.7	40.8	21.8

GP12400

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	172	118	87.8	51.7	30.4	22.3	17.7	12.8	8.31	5.53	4.54	2.43
1.65V	161	114	86.3	51.3	30.2	22.2	17.6	12.7	8.28	5.51	4.52	2.42
1.67V	157	112	85.7	51.1	30.2	22.2	17.6	12.7	8.27	5.50	4.52	2.42
1.70V	149	109	84.2	50.7	30.0	22.1	17.5	12.6	8.24	5.49	4.51	2.41
1.75V	134	101	80.7	49.5	29.6	21.9	17.4	12.5	8.19	5.45	4.48	2.40
1.80V	121	91.4	75.1	47.3	28.7	21.5	17.1	12.4	8.07	5.37	4.41	2.36
1.85V	103	81.4	66.2	43.8	27.2	20.6	16.4	11.9	7.79	5.19	4.26	2.28

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	1703	1231	955	581	347	257	204	148	98.0	65.4	53.9	29.1
1.65V	1626	1198	944	578	346	256	204	147	97.6	65.3	53.8	29.0
1.67V	1596	1185	939	576	345	256	203	147	97.5	65.2	53.7	29.0
1.70V	1542	1155	925	572	344	255	202	146	97.3	65.1	53.6	28.9
1.75V	1450	1092	886	561	340	254	201	145	96.9	64.8	53.4	28.8
1.80V	1332	1013	826	540	332	250	199	144	95.9	64.1	52.8	28.5
1.85V	1123	926	741	507	317	241	192	140	93.3	62.3	51.3	27.6



GP Series

Extended Discharge Tables

6V + 12V Top Terminal VRLA-AGM

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GP12650

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	271	173	132	79.9	47.2	34.2	27.3	19.4	12.4	8.08	6.58	3.57
1.65V	250	165	126	78.8	47.0	34.1	27.2	19.3	12.3	8.00	6.50	3.46
1.67V	242	162	124	78.3	46.9	34.1	27.2	19.3	12.3	7.97	6.47	3.42
1.70V	229	157	121	77.3	46.7	34.0	27.1	19.2	12.2	7.93	6.43	3.36
1.75V	208	147	117	75.4	46.4	33.8	27.0	19.1	12.1	7.86	6.32	3.25
1.80V	186	137	111	73.4	45.9	33.6	26.9	19.0	12.0	7.76	6.21	3.14
1.85V	164	127	105	71.3	45.4	33.3	26.8	18.9	11.9	7.66	6.10	3.03

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	3250	2080	1580	959	566	411	327	232	148	97.0	79.0	40.9
1.65V	3000	1980	1525	942	563	410	326	231	147	96.3	78.1	39.7
1.67V	2900	1940	1503	935	562	409	326	231	147	96.0	77.7	39.2
1.70V	2750	1871	1460	924	560	407	325	230	146	95.5	77.1	38.4
1.75V	2490	1760	1400	903	555	405	324	229	145	94.3	75.8	37.1
1.80V	2230	1640	1330	881	550	403	323	228	144	93.1	74.5	35.7
1.85V	1970	1520	1260	856	545	400	322	227	143	91.9	73.2	34.4

GP121000

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	372	257	197	121	70.1	50.4	39.9	29.0	18.6	12.3	10.1	5.26
1.65V	339	246	190	118	69.2	49.8	39.4	28.7	18.4	12.2	10.0	5.24
1.67V	326	242	187	117	68.8	49.5	39.2	28.6	18.3	12.1	9.94	5.23
1.70V	315	234	183	116	68.1	49.1	38.9	28.4	18.2	12.0	9.86	5.20
1.75V	286	213	175	113	66.8	48.3	38.4	27.9	17.9	11.8	9.72	5.10
1.80V	241	192	157	105	65.4	47.3	37.6	27.3	17.5	11.5	9.59	5.00
1.85V	202	165	135	96.8	62.5	46.0	36.6	26.5	17.1	11.2	9.24	4.80

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	3593	2696	2223	1366	802	579	459	335	216	143	117	61.1
1.65V	3500	2597	2131	1337	790	572	455	330	214	142	116	60.7
1.67V	3463	2557	2094	1325	785	569	453	328	213	141	115	60.5
1.70V	3307	2505	2036	1306	778	564	449	325	211	140	114	60.0
1.75V	2954	2359	1931	1267	763	553	441	320	208	138	113	59.5
1.80V	2675	2222	1815	1218	746	542	432	313	203	135	111	58.9
1.85V	2451	1958	1610	1165	725	528	422	306	198	132	109	56.6