



## Extended Discharge Tables

6V + 12V Top Terminal VRLA-AGM

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### 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
<b>1.60V</b>	18.7	12.3	9.08	5.37	3.11	2.26	1.80	1.26	0.810	0.535	0.439	0.234
<b>1.65V</b>	17.9	11.9	8.94	5.33	3.10	2.25	1.79	1.25	0.809	0.534	0.438	0.233
<b>1.67V</b>	17.6	11.8	8.88	5.31	3.09	2.25	1.79	1.25	0.808	0.533	0.438	0.233
<b>1.70V</b>	17.0	11.6	8.79	5.28	3.08	2.23	1.78	1.24	0.807	0.532	0.437	0.232
<b>1.75V</b>	16.1	11.2	8.62	5.21	3.06	2.22	1.77	1.23	0.804	0.531	0.435	0.229
<b>1.80V</b>	15.0	10.7	8.42	5.13	3.03	2.21	1.76	1.22	0.801	0.529	0.431	0.225
<b>1.85V</b>	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
<b>1.60V</b>	111	72.4	54.8	32.9	19.3	14.0	11.1	8.05	5.33	3.55	2.90	1.60
<b>1.65V</b>	105	70.5	53.7	32.8	19.2	13.9	11.0	8.00	5.30	3.54	2.89	1.59
<b>1.67V</b>	103	69.7	53.3	32.7	19.2	13.9	11.0	7.98	5.29	3.54	2.89	1.59
<b>1.70V</b>	100	68.6	52.5	32.4	19.1	13.8	10.9	7.95	5.24	3.52	2.88	1.58
<b>1.75V</b>	93.9	66.4	51.2	32.3	19.0	13.7	10.8	7.87	5.21	3.51	2.87	1.57
<b>1.80V</b>	88.5	64.1	50.0	31.8	18.8	13.5	10.7	7.85	5.16	3.48	2.85	1.56
<b>1.85V</b>	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
<b>1.60V</b>	35.6	22.0	16.5	9.61	5.51	3.92	3.08	2.13	1.34	0.92	0.77	0.45
<b>1.65V</b>	33.8	21.3	16.1	9.43	5.44	3.87	3.04	2.09	1.32	0.91	0.76	0.44
<b>1.67V</b>	33.1	21.0	15.9	9.36	5.41	3.85	3.02	2.08	1.31	0.90	0.76	0.44
<b>1.70V</b>	31.9	20.5	15.6	9.24	5.37	3.82	3.00	2.06	1.30	0.89	0.75	0.43
<b>1.75V</b>	29.6	19.6	15.1	9.03	5.30	3.77	2.96	2.02	1.27	0.88	0.74	0.42
<b>1.80V</b>	27.2	18.6	14.4	8.77	5.23	3.71	2.91	1.98	1.25	0.87	0.73	0.41
<b>1.85V</b>	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
<b>1.60V</b>	180	123	91.4	53.9	32.2	23.5	18.8	13.3	8.62	5.87	4.90	2.68
<b>1.65V</b>	173	119	89.5	53.2	31.9	23.3	18.6	13.2	8.53	5.82	4.86	2.64
<b>1.67V</b>	170	118	88.7	52.9	31.8	23.2	18.5	13.2	8.50	5.80	4.84	2.63
<b>1.70V</b>	165	115	87.2	52.4	31.6	23.1	18.4	13.1	8.45	5.76	4.77	2.61
<b>1.75V</b>	157	111	85.0	51.6	31.2	22.8	18.2	13.0	8.36	5.70	4.73	2.57
<b>1.80V</b>	147	106	82.3	50.6	30.9	22.5	18.0	12.8	8.27	5.65	4.70	2.53
<b>1.85V</b>	138	101	79.2	49.5	30.4	22.1	17.7	12.6	8.16	5.60	4.64	2.49



## Extended Discharge Tables

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### 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
<b>1.60V</b>	51.2	33.2	23.9	13.9	8.14	5.90	4.69	3.37	2.24	1.45	1.19	0.640
<b>1.65V</b>	49.1	32.3	23.7	13.8	8.13	5.86	4.64	3.36	2.22	1.44	1.18	0.628
<b>1.67V</b>	48.2	32.0	23.6	13.7	8.12	5.84	4.62	3.35	2.21	1.44	1.18	0.623
<b>1.70V</b>	46.3	31.6	23.3	13.6	8.08	5.82	4.61	3.32	2.18	1.43	1.17	0.610
<b>1.75V</b>	43.3	30.0	22.6	13.4	8.03	5.77	4.57	3.26	2.13	1.40	1.15	0.600
<b>1.80V</b>	38.8	28.0	21.5	13.0	7.81	5.64	4.48	3.17	2.06	1.37	1.14	0.584
<b>1.85V</b>	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
<b>1.60V</b>	269	173	134	79.8	48.9	35.3	28.0	19.8	12.7	8.36	6.91	3.85
<b>1.65V</b>	260	172	133	79.7	48.8	35.2	27.9	19.7	12.6	8.32	6.87	3.82
<b>1.67V</b>	257	171	132	79.6	48.8	35.1	27.8	19.7	12.6	8.30	6.85	3.81
<b>1.70V</b>	250	168	131	78.8	48.5	35.0	27.7	19.5	12.5	8.25	6.80	3.80
<b>1.75V</b>	231	163	128	78.1	48.1	34.6	27.5	19.3	12.2	8.12	6.69	3.77
<b>1.80V</b>	209	153	121	76.3	47.4	34.0	26.8	18.9	12.0	7.91	6.52	3.71
<b>1.85V</b>	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
<b>1.60V</b>	18.7	12.3	9.08	5.37	3.11	2.26	1.80	1.26	0.810	0.535	0.439	0.234
<b>1.65V</b>	17.9	11.9	8.94	5.33	3.10	2.25	1.79	1.25	0.809	0.534	0.438	0.233
<b>1.67V</b>	17.6	11.8	8.88	5.31	3.09	2.25	1.79	1.24	0.808	0.533	0.438	0.233
<b>1.70V</b>	17.0	11.6	8.79	5.28	3.08	2.23	1.78	1.24	0.807	0.532	0.437	0.232
<b>1.75V</b>	16.1	11.2	8.62	5.21	3.06	2.22	1.77	1.23	0.804	0.531	0.435	0.229
<b>1.80V</b>	15.0	10.7	8.42	5.13	3.03	2.21	1.76	1.22	0.801	0.529	0.431	0.225
<b>1.85V</b>	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
<b>1.60V</b>	221	145	110	65.9	38.6	27.9	22.2	16.1	10.7	7.09	5.79	3.19
<b>1.65V</b>	210	141	108	65.5	38.5	27.8	22.1	16.0	10.6	7.08	5.78	3.18
<b>1.67V</b>	206	139	107	65.4	38.4	27.7	22.0	16.0	10.6	7.08	5.78	3.17
<b>1.70V</b>	199	137	105	64.9	38.1	27.6	21.9	15.9	10.5	7.04	5.76	3.16
<b>1.75V</b>	188	133	102	64.7	38.0	27.5	21.8	15.8	10.4	7.02	5.74	3.16
<b>1.80V</b>	177	128	100	63.6	37.7	27.2	21.5	15.7	10.3	6.96	5.71	3.13
<b>1.85V</b>	165	122	96.6	60.9	36.7	26.7	21.3	15.5	10.2	6.89	5.63	3.09



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### 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
<b>1.60V</b>	36.5	24.0	20.5	18.0	14.4	11.9	8.80	6.91	4.91	3.50	2.75	1.96
<b>1.65V</b>	34.6	23.1	19.9	17.7	14.2	11.8	8.70	6.88	4.90	3.48	2.74	1.95
<b>1.67V</b>	33.8	22.7	19.7	17.6	14.1	11.8	8.66	6.87	4.89	3.48	2.73	1.94
<b>1.70V</b>	32.0	22.1	19.2	17.1	13.9	11.7	8.61	6.83	4.87	3.46	2.71	1.92
<b>1.75V</b>	28.8	20.7	18.1	16.2	13.4	11.4	8.42	6.71	4.80	3.42	2.69	1.90
<b>1.80V</b>	25.0	19.1	16.8	15.2	12.6	10.9	8.22	6.51	4.69	3.36	2.65	1.88
<b>1.85V</b>	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
<b>1.60V</b>	367	246	214	191	157	134	99.4	79.2	57.3	41.2	32.6	23.1
<b>1.65V</b>	348	242	211	188	154	133	98.8	78.4	56.9	40.9	32.4	23.0
<b>1.67V</b>	341	240	209	187	153	132	98.6	78.1	56.8	40.8	32.3	23.0
<b>1.70V</b>	326	233	204	183	152	131	97.2	77.9	56.6	40.6	32.1	22.9
<b>1.75V</b>	298	221	195	176	146	127	96.5	76.8	56.4	40.3	31.8	22.8
<b>1.80V</b>	270	204	182	165	141	122	92.9	74.9	55.3	39.6	31.3	22.3
<b>1.85V</b>	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
<b>1.60V</b>	34.3	21.1	15.4	8.89	5.15	3.74	2.97	2.15	1.42	0.940	0.774	0.416
<b>1.65V</b>	33.3	20.9	15.3	8.87	5.14	3.73	2.96	2.14	1.41	0.938	0.772	0.415
<b>1.67V</b>	32.8	20.8	15.3	8.87	5.14	3.73	2.96	2.14	1.41	0.937	0.771	0.415
<b>1.70V</b>	31.9	20.5	15.1	8.83	5.13	3.72	2.95	2.13	1.40	0.936	0.770	0.414
<b>1.75V</b>	30.0	19.8	14.8	8.72	5.09	3.71	2.94	2.12	1.39	0.932	0.767	0.412
<b>1.80V</b>	27.6	18.6	14.2	8.49	4.99	3.66	2.91	2.10	1.38	0.921	0.758	0.407
<b>1.85V</b>	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
<b>1.60V</b>	362	233	174	104	60.4	44.1	35.1	25.4	17.1	11.5	9.45	5.04
<b>1.65V</b>	355	231	173	103	60.3	44.0	35.0	25.3	17.0	11.5	9.44	5.03
<b>1.67V</b>	352	230	172	103	60.2	44.0	35.0	25.3	17.0	11.4	9.43	5.03
<b>1.70V</b>	345	227	171	102	60.2	43.9	34.9	25.2	16.9	11.3	9.42	5.02
<b>1.75V</b>	329	219	168	101	59.8	43.8	34.8	25.1	16.8	11.2	9.39	5.01
<b>1.80V</b>	304	207	162	100	58.9	43.3	34.5	25.0	16.7	11.1	9.31	4.95
<b>1.85V</b>	273	192	151	95.5	56.9	42.0	33.5	24.4	16.3	11.0	9.06	4.80



## Extended Discharge Tables

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### 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
<b>1.60V</b>	48.5	33.2	28.6	25.2	20.6	17.5	12.9	10.3	7.46	5.38	4.27	3.08
<b>1.65V</b>	45.4	32.0	27.7	24.6	20.2	17.3	12.8	10.2	7.42	5.35	4.25	3.06
<b>1.67V</b>	44.1	31.5	27.4	24.4	20.1	17.2	12.7	10.2	7.40	5.34	4.24	3.06
<b>1.70V</b>	42.2	30.5	26.6	23.8	19.8	17.0	12.6	10.1	7.36	5.32	4.22	3.05
<b>1.75V</b>	38.0	28.2	24.9	22.5	19.0	16.3	12.3	9.88	7.25	5.25	4.18	3.02
<b>1.80V</b>	33.6	25.5	22.8	20.8	17.7	15.3	11.7	9.49	7.04	5.12	4.08	2.97
<b>1.85V</b>	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
<b>1.60V</b>	490	346	303	271	224	192	143	115	85.0	62.2	49.8	36.5
<b>1.65V</b>	464	336	296	266	222	190	142	114	84.7	62.0	49.7	36.4
<b>1.67V</b>	454	332	293	264	221	189	141	114	84.6	61.9	49.6	36.3
<b>1.70V</b>	436	324	286	259	218	187	140	113	84.2	61.7	49.5	36.2
<b>1.75V</b>	401	306	272	248	210	181	138	112	83.3	61.1	49.1	36.0
<b>1.80V</b>	368	284	254	232	197	172	133	108	81.3	59.9	48.2	35.5
<b>1.85V</b>	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
<b>1.60V</b>	58.3	39.7	34.1	29.9	24.1	20.8	15.0	12.0	8.73	6.29	4.98	3.52
<b>1.65V</b>	54.4	37.6	32.5	28.8	23.7	20.5	14.9	11.9	8.67	6.25	4.96	3.51
<b>1.67V</b>	52.8	36.8	31.9	28.3	23.5	20.4	14.9	11.9	8.65	6.24	4.95	3.50
<b>1.70V</b>	50.2	35.4	30.8	27.5	23.0	20.1	14.7	11.8	8.61	6.21	4.92	3.48
<b>1.75V</b>	45.7	32.6	28.7	26.0	22.1	19.5	14.4	11.6	8.53	6.16	4.89	3.46
<b>1.80V</b>	41.1	29.8	26.6	24.4	20.7	18.5	13.9	11.2	8.26	6.02	4.81	3.41
<b>1.85V</b>	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
<b>1.60V</b>	595	410	356	318	268	232	174	139	101	73.4	58.5	41.8
<b>1.65V</b>	564	394	344	309	264	230	173	138	100	73.0	58.2	41.7
<b>1.67V</b>	552	387	339	305	262	229	172	138	100	72.8	58.1	41.6
<b>1.70V</b>	532	373	329	298	260	226	171	137	99.3	72.4	57.8	41.4
<b>1.75V</b>	499	350	312	286	249	220	168	135	98.8	71.9	57.4	41.1
<b>1.80V</b>	464	327	294	272	237	212	162	132	96.8	70.6	56.4	40.6
<b>1.85V</b>	425	305	275	256	220	197	152	125	93.1	68.4	54.9	39.6



## Extended Discharge Tables

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### 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
<b>1.60V</b>	51.2	33.2	23.9	13.9	8.14	5.90	4.69	3.37	2.24	1.45	1.19	0.63
<b>1.65V</b>	49.1	32.3	23.7	13.8	8.13	5.86	4.64	3.36	2.22	1.44	1.18	0.62
<b>1.67V</b>	48.2	32.0	23.6	13.7	8.12	5.84	4.62	3.35	2.21	1.44	1.18	0.62
<b>1.70V</b>	46.3	31.6	23.3	13.6	8.08	5.82	4.61	3.32	2.18	1.43	1.17	0.61
<b>1.75V</b>	43.3	30.0	22.6	13.4	8.03	5.77	4.57	3.26	2.13	1.40	1.15	0.60
<b>1.80V</b>	38.8	28.0	21.5	13.0	7.81	5.64	4.48	3.17	2.06	1.37	1.14	0.59
<b>1.85V</b>	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
<b>1.60V</b>	539	347	268	160	97.9	70.6	55.9	39.6	25.3	16.7	13.8	7.70
<b>1.65V</b>	522	343	266	159	97.8	70.3	55.7	39.4	25.2	16.6	13.7	7.65
<b>1.67V</b>	515	342	265	159	97.7	70.2	55.6	39.3	25.2	16.6	13.7	7.63
<b>1.70V</b>	499	336	262	158	97.0	69.9	55.4	39.0	25.0	16.5	13.6	7.61
<b>1.75V</b>	462	326	256	156	96.1	69.3	54.9	38.5	24.4	16.2	13.4	7.54
<b>1.80V</b>	418	307	243	153	94.8	68.0	53.7	37.7	24.1	15.8	13.1	7.42
<b>1.85V</b>	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
<b>1.60V</b>	80.2	50.9	38.5	23.4	13.8	10.1	8.03	5.72	3.63	2.37	1.93	1.00
<b>1.65V</b>	73.8	48.5	37.1	23.0	13.7	10.0	8.00	5.70	3.62	2.36	1.91	0.96
<b>1.67V</b>	71.2	47.5	36.5	22.9	13.7	10.0	7.99	5.69	3.61	2.35	1.90	0.95
<b>1.70V</b>	67.4	45.8	35.6	22.7	13.6	9.99	7.97	5.67	3.60	2.34	1.89	0.94
<b>1.75V</b>	61.0	43.1	34.1	22.3	13.4	9.86	7.92	5.64	3.59	2.32	1.86	0.91
<b>1.80V</b>	54.5	40.2	32.7	21.8	13.3	9.79	7.87	5.61	3.58	2.30	1.83	0.88
<b>1.85V</b>	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
<b>1.60V</b>	890	583	449	281	166	121	96.4	68.6	43.6	28.4	23.1	12.0
<b>1.65V</b>	819	555	430	277	165	120	96.1	68.5	43.5	28.3	22.9	11.6
<b>1.67V</b>	790	544	423	275	164	120	96.0	68.5	43.4	28.3	22.8	11.5
<b>1.70V</b>	748	527	413	272	163	119	95.8	68.4	43.3	28.2	22.7	11.3
<b>1.75V</b>	677	493	395	267	161	119	95.3	67.9	43.2	27.9	22.4	10.9
<b>1.80V</b>	605	460	377	261	160	118	94.6	67.3	43.0	27.6	22.0	10.5
<b>1.85V</b>	533	427	361	254	158	116	93.8	66.8	42.9	27.3	21.7	10.1



# 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
<b>1.60V</b>	83.9	53.5	39.6	23.8	14.1	10.4	8.22	5.93	3.88	2.61	2.15	1.16
<b>1.65V</b>	79.8	52.2	39.2	23.6	14.0	10.3	8.19	5.91	3.87	2.60	2.15	1.15
<b>1.67V</b>	78.2	51.7	39.0	23.5	14.0	10.3	8.17	5.90	3.87	2.60	2.14	1.15
<b>1.70V</b>	74.6	50.4	38.5	23.4	13.9	10.2	8.15	5.89	3.86	2.59	2.13	1.14
<b>1.75V</b>	67.8	47.4	37.0	22.9	13.7	10.1	8.09	5.84	3.83	2.57	2.12	1.13
<b>1.80V</b>	60.8	43.6	34.5	22.0	13.4	10.0	7.95	5.74	3.76	2.53	2.09	1.12
<b>1.85V</b>	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
<b>1.60V</b>	854	575	443	271	163	121	96.1	69.5	46.0	31.2	25.8	14.0
<b>1.65V</b>	820	565	440	270	163	120	95.9	69.3	45.9	31.1	25.7	13.9
<b>1.67V</b>	807	561	438	270	162	120	95.8	69.2	45.8	31.1	25.7	13.9
<b>1.70V</b>	781	551	433	268	161	119	95.6	69.1	45.7	31.0	25.6	13.8
<b>1.75V</b>	732	528	420	264	160	118	95.1	68.7	45.5	30.9	25.5	13.7
<b>1.80V</b>	671	497	396	257	157	117	93.8	67.7	44.9	30.5	25.2	13.6
<b>1.85V</b>	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
<b>1.60V</b>	106	69.0	52.8	32.7	19.6	14.3	11.5	8.14	5.24	3.46	2.82	1.47
<b>1.65V</b>	101	66.8	51.6	32.4	19.5	14.2	11.4	8.13	5.23	3.44	2.80	1.43
<b>1.67V</b>	99.0	65.9	51.1	32.3	19.5	14.2	11.4	8.13	5.23	3.43	2.79	1.42
<b>1.70V</b>	95.7	64.6	50.4	32.2	19.4	14.1	11.3	8.12	5.22	3.42	2.78	1.41
<b>1.75V</b>	89.7	62.0	49.0	31.6	19.3	14.0	11.2	8.11	5.21	3.38	2.74	1.37
<b>1.80V</b>	83.3	59.4	47.5	31.1	19.2	13.9	11.1	8.10	5.19	3.35	2.70	1.33
<b>1.85V</b>	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
<b>1.60V</b>	1270	828	634	392	235	172	138	97.7	62.9	41.5	33.8	17.6
<b>1.65V</b>	1206	801	617	387	234	171	137	97.6	62.8	41.3	33.6	17.2
<b>1.67V</b>	1181	790	610	385	234	171	137	97.6	62.8	41.2	33.5	17.1
<b>1.70V</b>	1139	772	602	382	233	170	136	97.5	62.7	41.0	33.3	16.9
<b>1.75V</b>	1071	744	586	378	232	169	135	97.4	62.6	40.6	32.9	16.5
<b>1.80V</b>	999	713	570	373	231	168	134	97.3	62.3	40.2	32.4	16.0
<b>1.85V</b>	920	678	550	367	230	167	133	97.2	62.1	39.8	32.0	15.6



## 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
<b>1.60V</b>	148	101	75.0	43.2	24.9	18.0	14.3	10.3	6.66	4.40	3.60	1.91
<b>1.65V</b>	138	97.0	73.5	42.8	24.8	17.9	14.2	10.3	6.63	4.38	3.59	1.91
<b>1.67V</b>	134	95.5	72.8	42.6	24.7	17.9	14.2	10.2	6.62	4.37	3.58	1.90
<b>1.70V</b>	127	91.9	71.4	42.2	24.5	17.8	14.1	10.1	6.60	4.36	3.57	1.89
<b>1.75V</b>	112	84.2	67.9	41.1	24.1	17.6	14.0	10.0	6.54	4.33	3.55	1.88
<b>1.80V</b>	99.9	75.6	62.4	39.3	23.4	17.1	13.7	9.91	6.43	4.26	3.49	1.86
<b>1.85V</b>	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
<b>1.60V</b>	1458	1057	822	517	302	217	172	123	79.4	52.6	43.1	23.0
<b>1.65V</b>	1373	1027	810	513	300	216	171	122	79.2	52.5	43.0	22.9
<b>1.67V</b>	1339	1014	804	511	299	216	171	122	79.1	52.4	43.0	22.9
<b>1.70V</b>	1284	986	792	506	297	215	170	121	79.0	52.3	42.8	22.8
<b>1.75V</b>	1198	925	757	494	293	213	169	120	78.4	52.0	42.6	22.7
<b>1.80V</b>	1088	852	702	475	285	209	167	119	77.4	51.3	42.1	22.5
<b>1.85V</b>	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
<b>1.60V</b>	172	118	87.8	51.7	30.4	22.3	17.7	12.8	8.31	5.53	4.54	2.43
<b>1.65V</b>	161	114	86.3	51.3	30.2	22.2	17.6	12.7	8.28	5.51	4.52	2.42
<b>1.67V</b>	157	112	85.7	51.1	30.2	22.2	17.6	12.7	8.27	5.50	4.52	2.42
<b>1.70V</b>	149	109	84.2	50.7	30.0	22.1	17.5	12.6	8.24	5.49	4.51	2.41
<b>1.75V</b>	134	101	80.7	49.5	29.6	21.9	17.4	12.5	8.19	5.45	4.48	2.40
<b>1.80V</b>	121	91.4	75.1	47.3	28.7	21.5	17.1	12.4	8.07	5.37	4.41	2.36
<b>1.85V</b>	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
<b>1.60V</b>	1703	1231	955	581	347	257	204	148	98.0	65.4	53.9	29.1
<b>1.65V</b>	1626	1198	944	578	346	256	204	147	97.6	65.3	53.8	29.0
<b>1.67V</b>	1596	1185	939	576	345	256	203	147	97.5	65.2	53.7	29.0
<b>1.70V</b>	1542	1155	925	572	344	255	202	146	97.3	65.1	53.6	28.9
<b>1.75V</b>	1450	1092	886	561	340	254	201	145	96.9	64.8	53.4	28.8
<b>1.80V</b>	1332	1013	826	540	332	250	199	144	95.9	64.1	52.8	28.5
<b>1.85V</b>	1123	926	741	507	317	241	192	140	93.3	62.3	51.3	27.6



## 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
<b>1.60V</b>	271	173	132	79.9	47.2	34.2	27.3	19.4	12.4	8.08	6.58	3.57
<b>1.65V</b>	250	165	126	78.8	47.0	34.1	27.2	19.3	12.3	8.00	6.50	3.46
<b>1.67V</b>	242	162	124	78.3	46.9	34.1	27.2	19.3	12.3	7.97	6.47	3.42
<b>1.70V</b>	229	157	121	77.3	46.7	34.0	27.1	19.2	12.2	7.93	6.43	3.36
<b>1.75V</b>	208	147	117	75.4	46.4	33.8	27.0	19.1	12.1	7.86	6.32	3.25
<b>1.80V</b>	186	137	111	73.4	45.9	33.6	26.9	19.0	12.0	7.76	6.21	3.14
<b>1.85V</b>	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
<b>1.60V</b>	3250	2080	1580	959	566	411	327	232	148	97.0	79.0	40.9
<b>1.65V</b>	3000	1980	1525	942	563	410	326	231	147	96.3	78.1	39.7
<b>1.67V</b>	2900	1940	1503	935	562	409	326	231	147	96.0	77.7	39.2
<b>1.70V</b>	2750	1871	1460	924	560	407	325	230	146	95.5	77.1	38.4
<b>1.75V</b>	2490	1760	1400	903	555	405	324	229	145	94.3	75.8	37.1
<b>1.80V</b>	2230	1640	1330	881	550	403	323	228	144	93.1	74.5	35.7
<b>1.85V</b>	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
<b>1.60V</b>	372	257	197	121	70.1	50.4	39.9	29.0	18.6	12.3	10.1	5.26
<b>1.65V</b>	339	246	190	118	69.2	49.8	39.4	28.7	18.4	12.2	10.0	5.24
<b>1.67V</b>	326	242	187	117	68.8	49.5	39.2	28.6	18.3	12.1	9.94	5.23
<b>1.70V</b>	315	234	183	116	68.1	49.1	38.9	28.4	18.2	12.0	9.86	5.20
<b>1.75V</b>	286	213	175	113	66.8	48.3	38.4	27.9	17.9	11.8	9.72	5.10
<b>1.80V</b>	241	192	157	105	65.4	47.3	37.6	27.3	17.5	11.5	9.59	5.00
<b>1.85V</b>	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
<b>1.60V</b>	3593	2696	2223	1366	802	579	459	335	216	143	117	61.1
<b>1.65V</b>	3500	2597	2131	1337	790	572	455	330	214	142	116	60.7
<b>1.67V</b>	3463	2557	2094	1325	785	569	453	328	213	141	115	60.5
<b>1.70V</b>	3307	2505	2036	1306	778	564	449	325	211	140	114	60.0
<b>1.75V</b>	2954	2359	1931	1267	763	553	441	320	208	138	113	59.5
<b>1.80V</b>	2675	2222	1815	1218	746	542	432	313	203	135	111	58.9
<b>1.85V</b>	2451	1958	1610	1165	725	528	422	306	198	132	109	56.6