



XTV Series

Extended Discharge Tables

12V Top Terminal VRLA-AGM

* Published specification data is subject to change without notice

XTV1272

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	27.7	17.7	13.4	7.94	4.60	3.35	2.67	1.93	1.25	0.88	0.72	0.40
1.65V	27.1	17.5	13.3	7.89	4.51	3.30	2.64	1.90	1.24	0.87	0.71	0.39
1.67V	26.8	17.4	13.3	7.87	4.47	3.28	2.63	1.89	1.24	0.87	0.71	0.39
1.70V	25.8	17.1	13.2	7.81	4.41	3.24	2.61	1.89	1.23	0.86	0.70	0.38
1.75V	24.6	16.4	12.9	7.74	4.31	3.21	2.60	1.88	1.22	0.84	0.69	0.37
1.80V	21.8	15.4	12.3	7.52	4.22	3.16	2.57	1.86	1.21	0.82	0.68	0.36
1.85V	18.3	13.9	11.2	7.10	4.10	3.06	2.48	1.79	1.19	0.80	0.66	0.35

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	299	193	149	89.8	54.8	40.0	32.1	23.1	15.2	10.3	8.64	4.68
1.65V	293	191	148	89.4	54.7	40.0	32.0	23.0	15.1	10.2	8.63	4.64
1.67V	290	190	148	89.3	54.7	39.9	31.9	23.0	15.1	10.2	8.62	4.62
1.70V	282	188	147	88.8	54.5	39.8	31.8	22.9	15.0	10.1	8.59	4.60
1.75V	264	182	145	88.1	53.8	39.5	31.7	22.8	14.9	10.0	8.55	4.55
1.80V	239	173	138	86.3	53.2	39.1	31.4	22.7	14.8	9.92	8.50	4.50
1.85V	206	160	128	82.3	51.8	37.8	30.2	21.9	14.7	9.84	8.26	4.44

XTV1285

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	35.9	22.3	16.5	9.70	5.65	4.12	3.27	2.35	1.53	1.02	0.84	0.45
1.65V	34.6	21.9	16.4	9.65	5.63	4.11	3.25	2.34	1.52	1.02	0.84	0.45
1.67V	34.1	21.8	16.3	9.64	5.62	4.10	3.25	2.34	1.52	1.01	0.83	0.45
1.70V	33.1	21.5	16.1	9.58	5.60	4.09	3.24	2.33	1.51	1.01	0.83	0.44
1.75V	30.8	20.6	15.7	9.42	5.53	4.05	3.21	2.31	1.50	1.00	0.82	0.44
1.80V	27.9	19.2	14.8	9.12	5.40	3.97	3.15	2.27	1.47	0.98	0.81	0.43
1.85V	25.0	17.4	13.5	8.59	5.13	3.80	3.02	2.19	1.42	0.95	0.78	0.42

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	374	243	185	111	65.2	47.8	37.9	27.4	18.1	12.1	9.88	5.31
1.65V	364	240	184	110	65.0	47.8	37.9	27.3	18.0	12.0	9.85	5.30
1.67V	360	239	183	110	65.0	47.7	37.8	27.3	18.0	12.0	9.84	5.29
1.70V	351	236	182	109	64.8	47.6	37.7	27.2	17.9	11.9	9.82	5.28
1.75V	332	228	177	108	64.2	47.3	37.5	27.0	17.8	11.8	9.75	5.24
1.80V	308	216	168	105	62.9	46.5	36.9	26.7	17.5	11.7	9.61	5.17
1.85V	273	200	155	100	60.3	44.8	35.6	25.8	17.0	11.3	9.29	4.99



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XTV12120

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	51.8	31.3	23.0	13.5	7.89	5.77	4.56	3.28	2.14	1.43	1.18	0.63
1.65V	50.4	31.0	22.9	13.4	7.86	5.75	4.55	3.27	2.13	1.43	1.17	0.62
1.67V	49.8	30.9	22.9	13.4	7.85	5.74	4.54	3.26	2.13	1.43	1.17	0.62
1.70V	48.5	30.5	22.7	13.3	7.82	5.72	4.53	3.25	2.12	1.42	1.16	0.61
1.75V	45.2	29.3	22.2	13.2	7.75	5.68	4.49	3.23	2.11	1.41	1.15	0.60
1.80V	40.3	27.4	21.1	12.8	7.61	5.59	4.43	3.19	2.07	1.39	1.14	0.59
1.85V	34.8	24.6	19.1	12.0	7.26	5.35	4.25	3.07	1.99	1.34	1.10	0.58

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	555	355	268	156	92.1	67.5	53.7	38.9	25.7	17.2	14.2	7.57
1.65V	543	352	267	156	91.8	67.3	53.6	38.8	25.7	17.2	14.1	7.55
1.67V	538	351	267	155	91.7	67.3	53.5	38.8	25.6	17.2	14.1	7.55
1.70V	525	347	265	155	91.4	67.1	53.4	38.7	25.6	17.1	14.0	7.53
1.75V	495	337	260	153	90.9	66.7	53.1	38.5	25.4	17.0	13.9	7.49
1.80V	454	319	248	150	89.7	65.9	52.5	38.0	25.1	16.8	13.8	7.39
1.85V	399	293	228	143	86.3	63.6	50.7	36.8	24.3	16.2	13.4	7.14

XTV12200

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	85.4	52.9	39.4	22.9	13.2	9.59	7.54	5.38	3.50	2.35	1.93	1.03
1.65V	81.3	51.7	38.9	22.7	13.1	9.53	7.50	5.35	3.48	2.34	1.92	1.02
1.67V	79.7	51.2	38.6	22.6	13.1	9.51	7.48	5.34	3.47	2.34	1.92	1.02
1.70V	76.7	50.1	38.1	22.4	13.0	9.46	7.45	5.27	3.46	2.33	1.91	1.01
1.75V	69.8	47.4	36.7	21.9	12.8	9.34	7.36	5.25	3.42	2.30	1.89	1.00
1.80V	62.1	43.7	34.2	21.1	12.4	9.11	7.18	5.14	3.34	2.25	1.85	0.97
1.85V	53.6	39.3	30.7	19.7	11.7	8.66	6.85	4.91	3.20	2.16	1.77	0.93

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	866	567	430	263	153	111	88.1	63.3	41.1	27.6	22.7	12.1
1.65V	835	558	426	259	152	110	87.7	62.9	40.9	27.5	22.6	12.0
1.67V	823	554	424	258	151	110	87.6	62.8	40.8	27.4	22.6	12.0
1.70V	798	545	419	256	150	109	87.3	62.1	40.7	27.3	22.5	11.9
1.75V	748	522	406	252	149	108	86.5	62.0	40.3	27.0	22.2	11.8
1.80V	690	490	384	245	145	107	84.8	61.0	39.5	26.4	21.7	11.7
1.85V	598	446	350	231	139	103	81.4	58.7	38.0	25.4	20.9	11.3



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Extended Discharge Tables

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XTV12550

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	247	166	123	71.8	41.0	29.0	22.7	16.2	10.6	6.89	5.58	2.84
1.65V	233	161	120	70.6	40.3	28.7	22.5	16.1	10.5	6.85	5.56	2.82
1.67V	227	159	119	70.1	40.0	28.5	22.5	16.1	10.5	6.83	5.55	2.80
1.70V	216	155	117	69.5	39.7	28.3	22.4	16.0	10.4	6.74	5.48	2.79
1.75V	194	144	112	67.9	39.4	28.0	22.1	15.8	10.3	6.70	5.41	2.75
1.80V	172	130	105	64.9	38.1	27.3	21.7	15.4	10.1	6.54	5.31	2.73
1.85V	152	113	92.5	60.6	36.2	26.1	20.8	14.8	9.68	6.28	5.09	2.64

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	2402	1693	1310	786	460	332	264	188	123	80.9	66.0	34.6
1.65V	2277	1657	1291	782	458	331	262	187	122	80.4	65.7	34.5
1.67V	2227	1642	1283	780	458	331	261	187	122	80.2	65.6	34.4
1.70V	2150	1590	1268	770	454	330	260	186	121	79.7	65.1	34.2
1.75V	2010	1519	1221	761	451	327	259	185	120	78.7	64.2	33.9
1.80V	1879	1411	1147	734	443	321	255	182	118	77.7	63.4	33.4
1.85V	1613	1279	1030	688	419	309	245	175	115	74.8	61.1	32.3

XTV12800

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	303	204	155	92.7	54.7	40.1	31.6	22.1	14.3	9.49	7.82	4.13
1.65V	279	196	152	91.8	54.4	39.9	31.4	22.1	14.2	9.44	7.77	4.12
1.67V	269	192	151	91.4	54.2	39.8	31.3	22.0	14.2	9.42	7.75	4.11
1.70V	255	185	148	90.8	53.8	39.5	31.1	21.9	14.1	9.38	7.73	4.08
1.75V	229	172	142	88.1	53.0	38.9	30.6	21.6	13.9	9.27	7.65	4.00
1.80V	202	157	128	83.5	51.3	38.0	29.9	21.2	13.6	9.12	7.53	3.96
1.85V	151	138	112	77.7	48.3	36.2	28.5	20.1	13.0	8.72	7.23	3.81

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	2925	2114	1660	1033	627	464	367	262	170	112	92.7	49.3
1.65V	2794	2049	1630	1028	626	463	366	261	170	111	92.6	49.2
1.67V	2742	2023	1618	1026	625	462	366	260	169	111	92.6	49.2
1.70V	2649	1977	1596	1014	621	459	363	258	168	110	92.5	49.0
1.75V	2438	1867	1517	996	614	454	361	256	167	109	91.8	48.5
1.80V	2143	1746	1397	951	594	444	352	251	165	108	89.8	47.8
1.85V	1775	1507	1242	898	560	424	335	242	158	106	86.9	45.9



XTV Series

Extended Discharge Tables

12V Top Terminal VRLA-AGM

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XTV121000

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	371	259	194	116	67.8	48.9	38.7	27.7	17.7	11.6	9.54	5.05
1.65V	340	247	190	115	67.4	48.7	38.5	27.5	17.6	11.6	9.49	5.03
1.67V	328	242	188	114	67.2	48.7	38.4	27.4	17.5	11.5	9.47	5.02
1.70V	309	231	184	113	66.7	48.3	38.0	27.3	17.4	11.4	9.45	5.01
1.75V	282	212	173	110	65.5	47.7	37.6	26.9	17.3	11.3	9.38	5.00
1.80V	243	193	157	104	63.0	46.3	36.5	26.1	16.8	11.2	9.16	4.84
1.85V	191	170	138	96.9	59.1	43.8	34.6	25.2	16.1	10.7	8.82	4.63

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	3591	2638	2095	1307	778	569	450	323	211	138	114	59.9
1.65V	3442	2549	2048	1292	776	567	448	321	210	137	113	59.7
1.67V	3382	2513	2029	1286	775	567	447	321	210	137	113	59.6
1.70V	3268	2445	1987	1274	771	564	445	319	209	136	112	59.3
1.75V	2932	2308	1880	1245	761	557	440	316	207	135	111	59.0
1.80V	2572	2149	1727	1192	735	545	429	308	203	133	110	58.1
1.85V	2255	1872	1546	1125	695	519	412	297	194	129	105	55.9

XTV121100

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	425	307	235	138	78.6	55.8	43.7	31.2	20.0	13.1	10.7	5.53
1.65V	395	294	229	136	77.8	55.5	43.6	30.9	19.9	13.0	10.6	5.52
1.67V	382	289	227	135	77.5	55.4	43.5	30.8	19.9	13.0	10.6	5.52
1.70V	364	276	222	134	77.2	55.0	43.0	30.7	19.7	12.9	10.5	5.51
1.75V	339	254	207	130	75.6	54.0	42.5	30.3	19.5	12.8	10.4	5.50
1.80V	289	232	188	123	72.3	52.1	41.2	29.4	18.9	12.6	10.2	5.33
1.85V	231	200	163	114	67.1	48.8	38.9	28.2	18.2	12.0	9.86	5.15

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	4173	3108	2509	1543	890	640	505	363	236	155	126	66.7
1.65V	3993	3013	2444	1523	886	636	503	361	235	155	125	66.6
1.67V	3921	2975	2418	1515	884	635	502	361	235	154	125	66.6
1.70V	3745	2914	2368	1508	880	633	501	359	234	153	124	66.1
1.75V	3384	2783	2251	1464	862	622	493	356	231	152	123	65.7
1.80V	2988	2573	2053	1411	827	600	479	346	228	149	122	64.9
1.85V	2719	2220	1834	1323	773	567	455	334	218	145	118	62.3