



EVX Series

Extended Discharge Tables

12V Top Terminal VRLA-AGM

* Published specification data is subject to change without notice

EVX1272

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	7.01	5.19	4.19	3.08	2.49	1.79	1.44	1.20	1.04	0.82	0.68	0.40
1.65V	6.85	5.06	4.08	3.01	2.43	1.75	1.40	1.17	1.01	0.80	0.66	0.39
1.67V	6.79	5.01	4.04	2.98	2.40	1.73	1.39	1.16	1.00	0.79	0.65	0.38
1.70V	6.57	4.85	3.91	2.89	2.34	1.68	1.36	1.13	0.97	0.77	0.64	0.38
1.75V	6.38	4.71	3.80	2.81	2.27	1.63	1.32	1.10	0.95	0.75	0.62	0.36
1.80V	6.20	4.58	3.70	2.73	2.19	1.58	1.28	1.07	0.92	0.72	0.60	0.35
1.85V	6.00	4.44	3.58	2.65	2.13	1.53	1.24	1.04	0.89	0.70	0.58	0.33

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	84.1	62.3	50.3	37.0	29.6	21.5	17.3	14.4	12.4	9.81	8.20	4.53
1.65V	82.2	60.9	49.2	36.1	29.0	21.1	16.9	14.1	12.1	9.59	7.96	4.40
1.67V	81.4	60.3	48.8	35.8	28.8	20.9	16.8	14.0	12.0	9.50	7.86	4.35
1.70V	79.2	58.6	47.3	34.8	27.9	20.2	16.3	13.6	11.7	9.24	7.72	4.27
1.75V	76.8	56.8	45.9	33.8	27.1	19.6	15.8	13.2	11.4	8.96	7.49	4.14
1.80V	74.4	55.0	44.4	32.7	26.2	19.0	15.3	12.8	11.0	8.67	7.25	4.00
1.85V	72.0	53.3	43.0	31.7	25.4	18.4	14.8	12.4	10.7	8.39	7.02	3.87

EVX12120

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	12.8	9.38	7.52	5.46	4.32	3.14	2.45	2.06	1.75	1.36	1.13	0.66
1.65V	12.7	9.32	7.47	5.45	4.30	3.11	2.44	2.05	1.74	1.35	1.12	0.64
1.67V	12.7	9.30	7.45	5.45	4.29	3.10	2.44	2.05	1.74	1.35	1.12	0.63
1.70V	12.6	9.23	7.40	5.41	4.28	3.09	2.43	2.04	1.73	1.34	1.11	0.62
1.75V	12.4	9.14	7.36	5.36	4.25	3.07	2.41	2.01	1.71	1.33	1.09	0.60
1.80V	12.0	8.89	7.18	5.28	4.17	3.00	2.38	1.99	1.70	1.32	1.07	0.59
1.85V	11.3	8.46	6.89	5.08	3.99	2.90	2.30	1.92	1.64	1.27	1.04	0.57

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	146	107	86.1	63.4	50.5	36.8	29.3	24.4	20.8	16.2	13.4	7.13
1.65V	146	107	85.8	63.0	50.2	36.7	29.2	24.3	20.7	16.1	13.3	7.10
1.67V	146	107	85.7	62.9	50.1	36.6	29.1	24.3	20.7	16.1	13.3	7.09
1.70V	144	106	85.2	62.7	50.0	36.4	28.9	24.2	20.6	16.0	13.2	7.06
1.75V	143	105	84.9	62.3	49.5	36.2	28.8	23.9	20.4	15.9	13.1	7.01
1.80V	140	103	83.5	61.2	49.0	35.7	28.5	23.7	20.2	15.7	12.9	6.87
1.85V	132	98.5	80.0	59.4	47.4	34.5	27.7	23.0	19.6	15.2	12.5	6.66



EVX Series

Extended Discharge Tables

12V Top Terminal VRLA-AGM

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EVX12170

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	17.0	12.7	10.3	7.34	5.94	4.43	3.55	2.92	2.51	1.98	1.63	0.93
1.65V	16.6	12.4	10.0	7.20	5.82	4.32	3.46	2.86	2.46	1.94	1.59	0.91
1.67V	16.5	12.3	9.94	7.14	5.77	4.28	3.43	2.84	2.44	1.92	1.58	0.90
1.70V	16.0	11.9	9.67	6.91	5.62	4.16	3.34	2.76	2.37	1.87	1.54	0.88
1.75V	15.5	11.6	9.38	6.70	5.43	4.04	3.24	2.68	2.30	1.81	1.49	0.85
1.80V	15.0	11.2	9.08	6.48	5.25	3.91	3.14	2.59	2.22	1.75	1.44	0.83
1.85V	14.5	10.8	8.79	6.27	5.09	3.79	3.04	2.51	2.15	1.69	1.39	0.80

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	204	152	123	88.1	71.6	53.1	42.6	35.0	30.1	23.8	19.6	10.8
1.65V	200	149	121	86.2	70.1	51.8	41.7	34.4	29.5	23.3	19.0	10.5
1.67V	198	148	120	85.5	69.5	51.3	41.3	34.1	29.3	23.1	18.8	10.4
1.70V	192	143	116	82.9	67.9	49.9	40.1	33.1	28.4	22.4	18.5	10.2
1.75V	186	139	113	80.4	65.5	48.4	38.9	32.1	27.6	21.7	17.9	9.90
1.80V	180	134	109	77.8	63.3	46.9	37.7	31.1	26.7	21.0	17.3	9.59
1.85V	174	130	106	75.3	61.4	45.4	36.5	30.1	25.8	20.3	16.7	9.29

EVX12200

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	20.6	15.4	12.5	9.25	7.43	5.28	4.19	3.45	2.95	2.30	1.89	1.09
1.65V	20.2	15.1	12.4	9.06	7.30	5.19	4.13	3.38	2.89	2.25	1.86	1.07
1.67V	20.0	15.0	12.3	8.99	7.25	5.15	4.10	3.35	2.86	2.23	1.85	1.06
1.70V	19.5	14.6	11.9	8.76	7.04	5.02	3.99	3.26	2.79	2.18	1.80	1.04
1.75V	18.9	14.2	11.6	8.50	6.79	4.85	3.85	3.16	2.71	2.12	1.75	1.00
1.80V	18.2	13.6	11.1	8.17	6.50	4.68	3.69	3.03	2.59	2.03	1.68	0.96
1.85V	17.4	13.0	10.6	7.84	6.22	4.49	3.52	2.89	2.48	1.95	1.62	0.92

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	247	184	150	111	88.7	63.4	50.3	41.4	35.4	27.6	22.7	12.3
1.65V	242	181	148	109	86.9	62.1	49.3	40.5	34.6	27.0	22.2	12.0
1.67V	240	180	147	108	86.2	61.6	48.9	40.2	34.3	26.8	22.0	11.9
1.70V	233	175	143	105	83.7	60.0	47.5	39.1	33.4	26.0	21.5	11.7
1.75V	226	169	138	101	80.6	58.1	45.9	37.6	32.2	25.2	20.8	11.3
1.80V	218	163	133	98.0	77.4	56.1	44.3	36.3	31.1	24.3	20.1	10.8
1.85V	209	156	127	94.0	74.4	53.8	42.3	34.6	29.7	23.3	19.3	10.4



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Extended Discharge Tables

12V Top Terminal VRLA-AGM

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EVX12260

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	27.3	20.3	16.5	11.8	9.54	7.03	5.66	4.68	4.03	3.18	2.63	1.44
1.65V	26.7	19.9	16.1	11.5	9.31	6.88	5.54	4.59	3.95	3.12	2.58	1.42
1.67V	26.5	19.7	16.0	11.4	9.22	6.82	5.49	4.56	3.92	3.09	2.56	1.41
1.70V	25.7	19.1	15.5	11.1	8.97	6.59	5.32	4.43	3.81	3.00	2.48	1.37
1.75V	24.9	18.5	15.0	10.8	8.68	6.39	5.16	4.30	3.70	2.91	2.40	1.33
1.80V	24.1	18.0	14.6	10.4	8.41	6.19	5.00	4.16	3.57	2.81	2.32	1.28
1.85V	23.3	17.4	14.1	10.1	8.13	5.99	4.84	4.03	3.46	2.72	2.24	1.24

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	328	244	198	141	114	84.3	67.9	56.2	48.4	38.2	31.5	17.3
1.65V	321	239	194	138	112	82.2	66.3	55.1	47.4	37.5	30.9	17.0
1.67V	318	237	192	137	111	81.4	65.7	54.6	47.0	37.2	30.6	16.9
1.70V	308	229	186	133	107	79.1	63.8	53.2	45.7	36.0	29.7	16.4
1.75V	299	223	181	129	104	76.7	61.9	51.6	44.3	34.9	28.8	15.9
1.80V	289	216	175	125	101	74.3	60.0	49.9	42.9	33.7	27.8	15.4
1.85V	280	209	170	121	97.1	71.9	58.1	48.3	41.5	32.6	26.9	14.9

EVX12300

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	31.2	22.4	17.7	12.7	10.3	7.48	6.05	5.03	4.32	3.39	2.82	1.61
1.65V	30.8	22.0	17.4	12.4	10.0	7.32	5.92	4.94	4.23	3.32	2.77	1.59
1.67V	30.6	21.9	17.3	12.3	9.94	7.26	5.87	4.90	4.20	3.29	2.75	1.58
1.70V	30.0	21.4	16.8	11.9	9.66	7.04	5.70	4.76	4.09	3.21	2.68	1.54
1.75V	29.2	20.8	16.3	11.6	9.38	6.83	5.54	4.64	3.98	3.12	2.61	1.50
1.80V	28.4	20.2	15.8	11.3	9.07	6.61	5.37	4.51	3.87	3.04	2.53	1.45
1.85V	27.6	19.5	15.3	10.9	8.79	6.40	5.21	4.39	3.76	2.94	2.46	1.41

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	374	268	212	152	123	89.8	72.6	60.4	51.5	40.1	33.1	17.3
1.65V	369	264	208	148	121	87.9	71.0	59.1	50.5	39.4	32.5	16.9
1.67V	367	263	207	147	120	87.1	70.4	58.6	50.1	39.1	32.2	16.8
1.70V	359	256	202	143	116	84.5	68.4	57.1	48.8	38.1	31.4	16.4
1.75V	351	250	196	139	112	81.9	66.4	55.6	47.5	37.0	30.5	15.9
1.80V	341	242	190	135	109	79.3	64.4	54.1	46.1	35.9	29.5	15.4
1.85V	332	235	184	131	105	76.7	62.4	52.6	44.8	34.7	28.4	14.9



EVX Series

Extended Discharge Tables

12V Top Terminal VRLA-AGM

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EVX12340

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	34.5	25.2	20.2	14.6	11.6	8.25	6.53	5.39	4.62	3.63	3.06	1.85
1.65V	33.9	24.8	19.9	14.5	11.5	8.21	6.50	5.35	4.58	3.59	3.03	1.81
1.67V	33.6	24.7	19.8	14.5	11.5	8.19	6.49	5.34	4.57	3.57	3.02	1.80
1.70V	32.8	24.2	19.5	14.3	11.3	8.12	6.42	5.28	4.51	3.51	2.95	1.76
1.75V	31.8	23.6	19.1	14.0	11.2	8.02	6.36	5.22	4.45	3.46	2.90	1.72
1.80V	30.8	23.0	18.7	13.8	11.0	7.86	6.27	5.14	4.38	3.41	2.86	1.69
1.85V	29.9	22.4	18.3	13.5	10.8	7.74	6.12	5.07	4.32	3.36	2.82	1.65

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	414	302	242	175	141	99.0	78.4	64.7	55.5	43.6	36.0	19.5
1.65V	407	298	239	174	140	98.5	78.1	64.3	55.0	43.0	35.5	19.1
1.67V	404	296	238	173	139	98.3	78.0	64.1	54.8	42.8	35.3	19.0
1.70V	393	290	234	171	137	97.4	77.4	63.4	54.1	42.2	34.6	18.5
1.75V	382	283	229	168	135	96.3	76.5	62.6	53.4	41.5	33.9	18.0
1.80V	370	276	224	165	132	95.1	75.5	61.8	52.7	40.9	33.4	17.6
1.85V	359	269	219	162	130	93.7	74.2	60.8	51.8	40.3	32.9	17.1

EVX12400

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	38.1	28.3	22.9	16.8	13.4	9.75	7.76	6.42	5.50	4.31	3.59	2.17
1.65V	37.3	27.7	22.5	16.4	13.1	9.55	7.59	6.29	5.39	4.22	3.52	2.13
1.67V	37.0	27.5	22.3	16.3	13.0	9.47	7.52	6.24	5.34	4.18	3.49	2.12
1.70V	35.8	26.7	21.7	15.8	12.7	9.17	7.33	6.07	5.19	4.05	3.40	2.05
1.75V	34.8	25.9	21.0	15.3	12.3	8.88	7.09	5.91	5.05	3.94	3.30	2.00
1.80V	33.7	25.1	20.3	14.8	11.9	8.58	6.89	5.70	4.88	3.82	3.17	1.94
1.85V	32.6	24.1	19.5	14.4	11.4	8.29	6.63	5.48	4.70	3.68	3.09	1.89

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	457	340	275	201	162	117	93.0	76.8	65.0	49.9	41.1	22.3
1.65V	448	333	270	197	158	114	90.9	75.2	63.6	48.8	40.3	21.8
1.67V	444	330	268	196	157	113	90.1	74.6	63.1	48.4	40.0	21.6
1.70V	430	320	260	189	152	110	87.6	72.3	61.1	46.9	38.8	20.9
1.75V	417	311	252	184	147	107	84.5	69.9	59.2	45.5	37.6	20.3
1.80V	404	300	243	178	143	103	81.5	67.4	57.1	44.0	36.4	19.6
1.85V	391	290	235	173	138	99.5	78.9	64.9	55.1	42.6	35.2	19.0



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EVX12520

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	64.9	46.6	36.8	27.0	21.0	14.8	11.7	9.60	8.30	6.60	5.42	2.84
1.65V	63.9	46.1	36.5	26.9	20.9	14.7	11.6	9.54	8.24	6.54	5.38	2.81
1.67V	63.5	45.9	36.4	26.8	20.8	14.6	11.6	9.52	8.22	6.52	5.36	2.80
1.70V	62.1	45.0	35.8	26.5	20.6	14.5	11.5	9.45	8.15	6.45	5.29	2.76
1.75V	60.6	44.1	35.2	26.1	20.3	14.3	11.4	9.37	8.05	6.34	5.21	2.72
1.80V	59.2	43.3	34.7	25.6	20.1	14.2	11.3	9.26	7.94	6.22	5.12	2.68
1.85V	57.8	42.5	34.2	25.1	19.9	14.1	11.2	9.16	7.83	6.11	5.03	2.62

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	668	485	386	284	221	154	124	102	88.6	70.9	58.7	33.6
1.65V	659	480	383	282	220	153	123	101	88.0	70.4	58.3	33.2
1.67V	656	478	382	281	219	153	123	101	87.7	70.2	58.1	33.1
1.70V	645	472	378	277	217	152	122	100	86.8	69.4	57.4	32.5
1.75V	631	463	372	273	214	151	121	99.0	85.9	68.6	56.7	31.8
1.80V	615	455	368	269	212	150	120	98.1	84.9	67.6	55.8	31.1
1.85V	598	447	363	264	209	149	119	97.0	83.6	66.1	54.8	30.4

EVX12650

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	70.5	51.5	41.2	30.0	23.9	17.0	13.4	11.1	9.57	7.57	6.31	3.38
1.65V	70.1	51.3	41.1	29.9	23.8	16.9	13.3	11.0	9.52	7.55	6.29	3.36
1.67V	69.9	51.2	41.1	29.8	23.7	16.9	13.3	11.0	9.50	7.54	6.28	3.35
1.70V	69.4	50.9	40.8	29.6	23.6	16.8	13.2	10.9	9.43	7.50	6.24	3.34
1.75V	68.3	50.2	40.4	29.4	23.4	16.7	13.1	10.8	9.34	7.42	6.16	3.31
1.80V	65.7	48.7	39.4	28.8	23.0	16.4	12.9	10.7	9.22	7.28	6.04	3.23
1.85V	61.3	45.9	37.4	27.5	22.0	15.7	12.4	10.2	8.81	6.99	5.78	3.11

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	806	598	484	353	279	199	158	132	114	90.0	74.7	40.3
1.65V	805	596	482	352	278	198	157	131	113	89.7	74.4	40.2
1.67V	804	595	481	351	277	198	157	130	113	89.6	74.3	40.2
1.70V	795	590	477	350	276	197	156	129	112	89.2	74.2	40.0
1.75V	784	585	475	347	275	196	155	128	111	88.2	73.2	39.7
1.80V	759	571	467	342	270	193	151	127	110	86.9	72.0	38.9
1.85V	714	542	446	329	259	186	147	122	105	83.2	68.9	37.8



EVX Series

Extended Discharge Tables

12V Top Terminal VRLA-AGM

* Published specification data is subject to change without notice

EVX12750

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	83.2	61.3	49.3	35.7	28.1	19.9	15.6	12.8	10.8	8.35	6.82	3.84
1.65V	82.1	60.6	48.8	35.3	27.7	19.8	15.5	12.7	10.7	8.28	6.76	3.81
1.67V	81.6	60.3	48.6	35.2	27.6	19.7	15.4	12.7	10.7	8.25	6.74	3.80
1.70V	80.1	59.2	47.8	34.6	27.2	19.4	15.2	12.5	10.6	8.15	6.67	3.77
1.75V	78.1	57.9	46.8	33.9	26.7	19.2	15.0	12.4	10.5	8.07	6.60	3.75
1.80V	75.8	56.4	45.7	33.2	26.2	18.9	14.8	12.2	10.3	7.98	6.54	3.72
1.85V	73.3	54.7	44.4	32.5	25.7	18.6	14.6	12.0	10.2	7.89	6.47	3.68

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	924	673	538	392	313	226	177	146	124	95.2	77.5	41.4
1.65V	911	667	534	388	310	224	176	145	123	94.6	77.1	41.3
1.67V	906	664	532	386	309	223	175	144	122	94.3	77.0	41.2
1.70V	887	652	524	380	304	219	172	142	121	93.4	76.4	41.0
1.75V	863	637	513	373	299	216	170	140	119	92.3	75.7	40.7
1.80V	839	620	500	367	293	213	168	139	118	91.3	75.0	40.6
1.85V	813	600	484	359	288	210	165	137	117	90.3	74.2	39.8