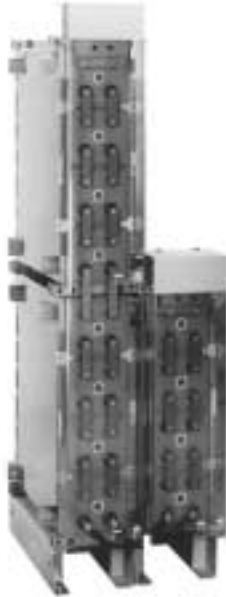


## VALVE REGULATED LEAD-ACID

B A T T E R I E S



### Description

Since its introduction in 1990, the DDV has established a solid reputation as a reliable performer for modular VRLA batteries. The DDV line features the field-proven Independence DD Series cells with Absorbed Glass Mat (AGM) technology, all encased in a patented Verticle module. Engineered for maximum flexibility, the DDV provides optimal space efficiency while delivering an impressive power density.

(Remember: The **DDV**= the Independence **DD** Series in a **Vertical** configuration.)

### Features

#### INDEPENDENCE

- VRLA Recombinant Technology - Low maintenance - No watering required
- New and improved patented Slide-Lock™ Post Seal - Allows for naturally occurring plate growth without stressing the jar-to-cover seal or the post seal
- Bead Mash jar-to-cover Heat Seal - No glues to fail
- Completely front accessible
- Containers and covers made from Flame Retardant polypropylene materials (UL94 V0/L.O.I. 28%)

#### DD SERIES

- Absorbed Glass Mat (AGM) VRLA technology - Higher capacity in a smaller footprint
- Calcium alloy grids (NO Cadmium)- Lower float current than Antimony alloy, reduces thermal runaway, environmentally friendly
- Excellent high rate performance
- Outstanding initial recombination efficiency (>95%)
- No scheduled equalization required
- Superior Thermal Management

#### CONFIGURATIONS

- Certified to UBC Zone 4
- May be stacked to three modules high
- Four cells per module
- Standard 24V and 48V configurations for the telecommunications industry, other configurations are available
- Front termination standard
- Small footprint, high energy density

UL Recognized - File Number MH15494

All data subject to change without notice

## DDV

120Ah - 1360Ah

### APPLICATIONS:

COMMUNICATIONS

WIRELESS

CENTRAL OFFICE

MTSO

SIGNAL REPEATERS

MICROWAVE

UPS

SWITCHGEAR

### Specifications

#### PLATES:

Calcium alloy grids

**CONTAINER AND COVER:**Made from Flame Retardant Polypropylene materials (UL94 V0/L.O.I. 28%)

#### SEPARATOR:

Absorbed Glass Mat

#### CONNECTORS:

Lead-plated copper with 316 Stainless Steel hardware

#### ELECTROLYTE:

1.300 S.G. at 77°F (25°C)

#### SAFETY VENT:

Self-resealing with flame arrestor

#### FLOAT VOLTAGE SETTING:

2.23-2.27 VPC at 77°F (25°C)

2.25 Recommended

#### SELF DISCHARGE:

0.5% - 1.0% per week maximum at 77°F (25°C)

#### POSTS:

Copper core, Slide-Lock™ Post Seal

Up to 15 plates - 1 post per polarity

17 to 27 plates - 2 posts per polarity

29 plates and above - 3 posts per polarity

# DDV System

## Terminal Plate

DDV can be terminated on top or bottom. The negative and positive terminal plates are insulated by a separator for safety.

## Safety Shield

One-step removable safety shield allows easy access to battery cells for maintenance. No hardware or tools required.

## Cooling Channels

Channels between each module provide air movement for proper cooling.

## Intercell Connectors

Common size connectors reduce the hardware for an easy, quick installation.

## Assembly

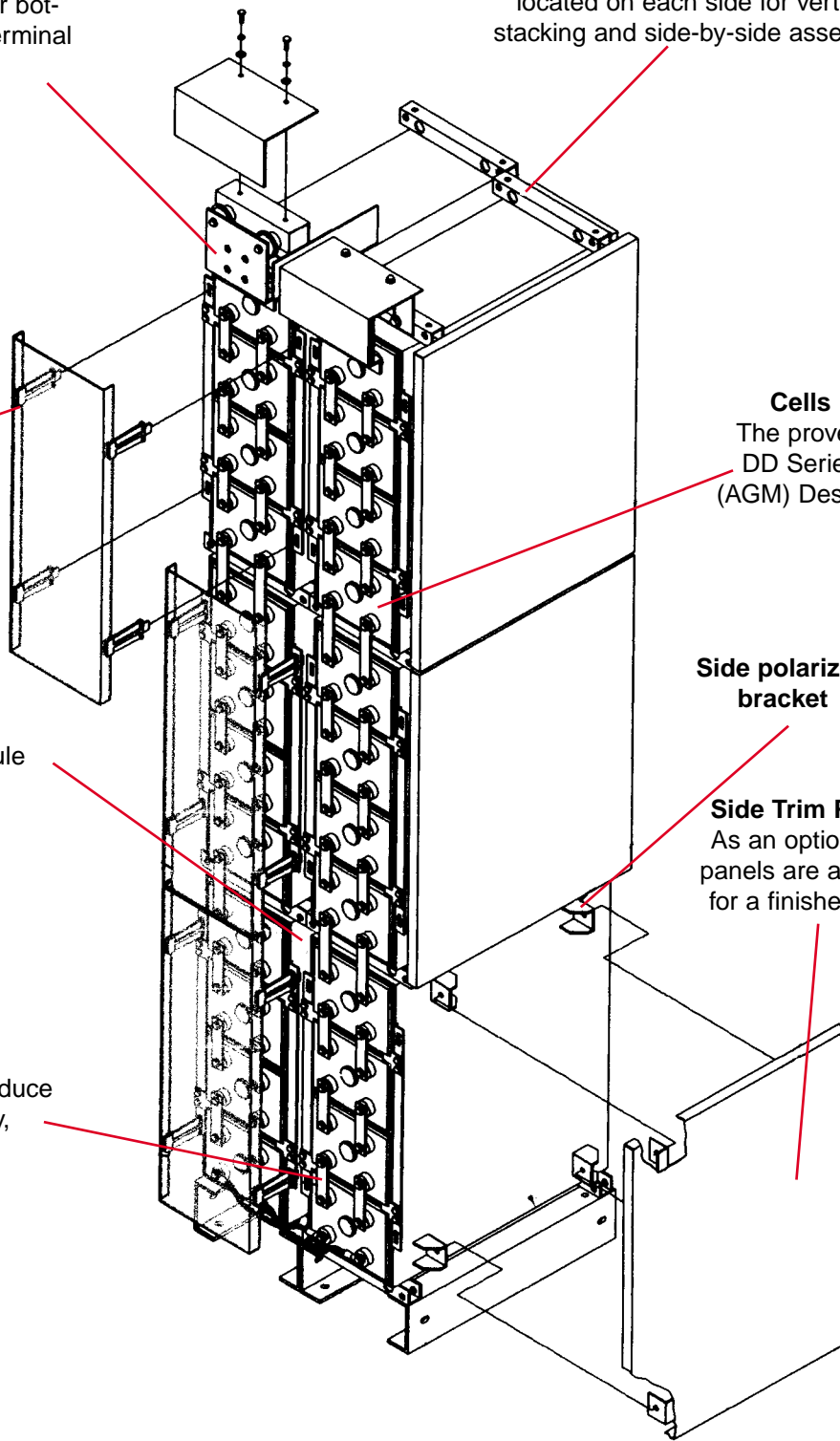
Polarized brackets lock together in only one direction preventing incorrect assembly. Dynalock brackets are located on each side for vertical stacking and side-by-side assembly.

## Cells

The proven DD Series (AGM) Design.

## Side polarized bracket

Side Trim Panels  
As an option, side panels are available for a finished look.



The DDV is a user friendly modular battery system that gives you the ease of installation and maintenance with maximum ampere hour capacity in a minimum footprint. With the DDV being available in 28% LOI/UL94V0 jar material, it can be placed in a computer room environment. To complete the computer room look, side panels are available as an option.

# Module Dimensions & Weights

## Dimensions

### Height:

(To top of terminal plate)

	in	mm
3 modules high	90.95	2310
2 modules high	63.68	1618
1 module high	36.41	925

### Depth:

DDV40-XX	14.94	379
DDV85-XX	24.75	629

### Length:

DDVXX-07	5.13	130
DDVXX-09	5.88	149
DDVXX-11	6.62	168
DDVXX-13	7.38	187
DDVXX-15	8.13	207
DDVXX-17	8.88	226
DDVXX-19	9.62	244
DDVXX-21	10.38	264
DDVXX-23	11.12	282
DDVXX-25	11.88	302
DDVXX-27	12.62	321
DDVXX-29	13.38	340
DDVXX-31	14.12	359
DDVXX-33	14.88	378

Total Battery Length =  
 Number of columns x length  
 + 1.50 inches for side brackets

MODULE	VOLTS	NOM. AH CAP.	WEIGHTS			
			UNPACKED		PACKED	
			lbs	kg	lbs	kg
<b>TYPE DDV40</b>						
4DDV40-7	8	120	116	53	135	61
4DDV40-9	8	160	140	64	159	72
4DDV40-11	8	200	164	75	183	83
4DDV40-13	8	240	188	85	207	94
4DDV40-15	8	280	212	96	231	105
4DDV40-17	8	320	245	111	264	120
4DDV40-19	8	360	269	122	288	131
4DDV40-21	8	400	293	133	312	142
<b>TYPE DDV85</b>						
4DDV85-11	8	425	308	140	327	148
4DDV85-13	8	510	354	161	373	169
4DDV85-15	8	595	400	182	419	190
4DDV85-17	8	680	455	207	474	215
4DDV85-19	8	765	501	227	520	236
4DDV85-21	8	850	548	249	567	257
4DDV85-23	8	935	594	270	613	278
4DDV85-25	8	1020	640	291	659	299
4DDV85-27	8	1105	686	311	705	320
4DDV85-29	8	1190	836	380	855	388
4DDV85-31	8	1275	888	403	907	412
4DDV85-33	8	1360	941	427	960	436

# AVERAGE CELL PERFORMANCE DATA\* (Discharge Rates in Amperes\*\*)

TYPE	NOM. AH	24 HR	12 HR	10 HR	8 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	15 MIN	1 MIN
		<b>TYPE DDV40 TO 1.75 END VOLTS PER CELL</b>											
DDV40-7	120	5.2	10.5	12.6	15.0	19.0	22.2	26.1	32.7	43.5	68	128	176
DDV40-9	160	7.0	14.0	16.8	20.0	26.0	29.6	34.8	43.6	58.0	91	170	234
DDV40-11	200	9.0	17.5	21.0	25.0	32.0	37.0	43.5	54.5	72.5	114	213	293
DDV40-13	240	11.0	21.0	25.2	30.0	38.0	44.4	52.2	65.4	87.0	137	255	351
DDV40-15	280	12.0	24.5	29.4	35.0	44.0	51.8	60.9	76.3	101.0	160	298	410
DDV40-17	320	14.0	28.0	33.6	40.0	51.0	59.2	69.6	87.2	116.0	182	340	468
DDV40-19	360	16.0	31.5	37.8	45.0	57.0	66.6	78.3	98.1	130.0	205	383	527
DDV40-21	400	18.0	35.0	42.0	51.0	63.0	74.0	87.0	109.0	145.0	228	425	585
		<b>TYPE DDV85</b>											
DDV85-11	425	19.0	38.0	45.5	53.1	66.0	75.0	86.5	106.0	140.0	210	390	460
DDV85-13	510	23.0	45.6	54.6	63.7	79.0	90.0	103.0	127.0	168.0	252	468	552
DDV85-15	595	27.0	53.2	63.7	74.4	92.0	105.0	121.0	148.0	196.0	294	546	644
DDV85-17	680	30.0	60.8	72.8	85.0	106.0	120.0	138.0	169.0	224.0	336	624	736
DDV85-19	765	34.0	68.4	81.9	95.6	119.0	135.0	155.0	190.0	252.0	378	702	828
DDV85-21	850	38.0	76.0	91.0	106.0	132.0	150.0	173.0	212.0	280.0	420	780	920
DDV85-23	935	42.0	83.6	100.0	116.0	145.0	165.0	190.0	233.0	308.0	462	858	1012
DDV85-25	1020	46.0	91.2	109.0	127.0	159.0	180.0	207.0	254.0	336.0	504	936	1104
DDV85-27	1105	49.0	98.8	118.0	138.0	172.0	195.0	224.0	275.0	364.0	546	1014	1196
DDV85-29	1190	53.0	106.0	127.0	148.0	185.0	210.0	242.0	297.0	392.0	588	1092	1288
DDV85-31	1275	57.0	114.0	135.0	159.0	198.0	225.0	259.0	318.0	426.0	630	1170	1380
DDV85-33	1360	61.0	121.0	145.0	170.0	211.0	241.0	276.0	339.0	448.0	672	1248	1472
		<b>TYPE DDV40 TO 1.81 END VOLTS PER CELL</b>											
DDV40-7	120	5.1	10.2	12.3	15.0	18.0	21.8	25.5	31.5	40.2	59	113	146
DDV40-9	160	6.8	13.6	16.4	20.0	25.0	29.0	34.0	42.0	53.6	79	150	194
DDV40-11	200	8.5	17.0	20.5	25.0	31.0	36.3	42.5	52.5	67.0	99	188	243
DDV40-13	240	10.2	20.4	24.6	30.0	37.0	43.6	51.0	63.0	80.4	119	225	292
DDV40-15	280	11.9	23.8	28.7	35.0	43.0	50.8	59.5	73.5	93.8	139	263	340
DDV40-17	320	13.6	27.2	32.8	40.0	50.0	58.0	68.0	84.0	107.0	158	300	389
DDV40-19	360	15.3	30.6	36.9	45.0	56.0	65.3	76.5	94.5	120.0	178	338	437
DDV40-21	400	17.0	34.0	41.0	50.0	62.0	72.5	85.0	105.0	134.0	198	375	486
		<b>TYPE DDV85</b>											
DDV85-11	425	18.7	37.5	45.0	53.0	65.0	73.0	85.0	100.0	129.0	188	300	395
DDV85-13	510	22.5	45.0	54.0	63.6	78.0	87.6	102.0	120.0	155.0	225	396	474
DDV85-15	595	26.2	52.5	63.0	74.2	91.0	102.0	119.0	140.0	181.0	263	462	553
DDV85-17	680	30.0	60.0	72.0	84.8	105.0	116.0	136.0	160.0	207.0	300	528	632
DDV85-19	765	33.7	67.5	81.0	95.4	118.0	131.0	153.0	180.0	233.0	338	594	711
DDV85-21	850	37.5	75.0	90.0	106.0	131.0	146.0	170.0	200.0	259.0	375	660	790
DDV85-23	935	41.2	82.5	99.0	116.0	144.0	160.0	187.0	220.0	284.0	413	726	869
DDV85-25	1020	45.0	90.0	108.0	127.0	157.0	175.0	204.0	240.0	310.0	450	792	948
DDV85-27	1105	48.7	97.5	117.0	137.0	170.0	189.0	221.0	260.0	336.0	488	858	1027
DDV85-29	1190	52.5	105.0	126.0	148.0	183.0	204.0	238.0	280.0	362.0	525	924	1106
DDV85-31	1275	56.2	112.0	135.0	159.0	196.0	219.0	255.0	300.0	388.0	562	990	1185
DDV85-33	1360	60.0	120.0	144.0	169.0	209.0	233.6	272.0	320.0	414.0	600	1056	1264

\*Ampere values listed represented 100% of the cell's capacity. Initial capacity shall be a minimum of 90% of these values per IEEE 1188.

\*\*At 77°F (25°C) includes intercell connector drop.

All data subject to change without notice.

# AVERAGE CELL PERFORMANCE DATA\* (Discharge Rates in Amperes\*\*)

TYPE	NOM. AH	24 HR	12 HR	10 HR	8 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	15 MIN	1 MIN
<b>TYPE DDV40 TO 1.84 END VOLTS PER CELL</b>													
DDV40-7	120	5.0	10.0	12.0	14.0	17.5	21.0	25.0	30	40.0	62	104	134
DDV40-9	160	7.0	14.0	16.0	18.5	24.0	28.0	33.0	40	53.0	82	138	179
DDV40-11	200	9.0	17.0	20.0	24.0	30.0	35.0	41.0	50	66.2	103	173	224
DDV40-13	240	10.5	21.0	24.0	28.0	36.0	42.0	49.5	60	79.5	123	207	268
DDV40-15	280	12.2	24.5	28.0	33.0	42.0	49.0	57.7	70	92.7	143	241	313
DDV40-17	320	14.0	28.0	32.0	38.0	49.0	56.0	66.0	80	106.0	164	276	358
DDV40-19	360	15.7	31.5	36.0	43.0	55.5	63.0	74.2	90	119.0	184	310	403
DDV40-21	400	17.5	35.0	40.0	49.0	61.5	70.0	82.5	100	132.0	205	345	447
<b>TYPE DDV85</b>													
DDV85-11	425	18.0	36.0	43.0	51.0	63.0	70.0	81.0	96.0	122.0	180	305	350
DDV85-13	510	21.5	43.0	51.0	61.0	75.0	84.0	97.0	115.0	147.0	216	366	420
DDV85-15	595	25.5	51.0	60.0	71.0	88.0	98.0	113.0	134.0	171.0	252	427	490
DDV85-17	680	29.0	58.0	68.0	82.0	100.0	112.0	129.0	153.0	196.0	288	488	560
DDV85-19	765	32.5	65.0	77.0	92.0	113.0	126.0	145.0	173.0	220.0	324	549	630
DDV85-21	850	36.0	72.0	85.0	102.0	125.0	140.0	161.0	192.0	245.0	360	610	700
DDV85-23	935	40.0	80.0	94.0	112.0	138.0	154.0	177.0	211.0	269.0	396	671	770
DDV85-25	1020	43.5	87.0	102.0	122.0	150.0	169.0	193.0	230.0	294.0	432	732	840
DDV85-27	1105	47.0	94.0	111.0	133.0	163.0	183.0	209.0	249.0	318.0	468	793	910
DDV85-29	1190	50.4	101.0	119.0	143.0	175.0	196.0	225.0	269.0	343.0	504	854	980
DDV85-31	1275	54.0	108.0	128.0	153.0	188.0	210.0	241.0	288.0	367.0	540	915	1050
DDV85-33	1360	58.0	115.0	136.0	163.0	200.0	224.0	258.0	307.0	392.0	576	976	1120
<b>TYPE DDV40 TO 1.88 END VOLTS PER CELL</b>													
DDV40-7	120	4.7	9.5	11.0	13.5	17.0	20.0	23.0	28.0	36.0	54	96	120
DDV40-9	160	6.0	13.0	15.0	18.0	23.0	26.0	30.0	37.0	48.0	72	128	160
DDV40-11	200	8.0	16.0	19.0	23.0	29.0	33.0	38.0	46.0	60.0	90	160	200
DDV40-13	240	9.7	19.5	22.5	27.0	34.0	39.0	45.0	55.0	72.0	108	192	240
DDV40-15	280	11.3	22.7	26.2	31.5	40.0	45.5	52.5	65.0	84.0	126	224	280
DDV40-17	320	13.0	26.0	30.0	36.0	46.0	52.0	60.0	74.0	96.0	144	256	320
DDV40-19	360	14.6	29.2	33.7	40.5	52.0	58.5	67.5	83.0	108.0	162	288	360
DDV40-21	400	16.2	32.5	37.5	45.0	57.0	65.0	75.0	92.0	120.0	180	320	400
<b>TYPE DDV85</b>													
DDV85-11	425	17.0	34.0	40.0	49.0	59.0	67.0	76.0	90.0	113.0	163	270	300
DDV85-13	510	20.0	41.0	49.0	58.0	71.0	80.0	91.0	108.0	136.0	195	324	360
DDV85-15	595	24.0	48.0	57.0	68.0	83.0	93.0	106.0	126.0	158.0	228	378	420
DDV85-17	680	27.0	55.0	65.0	78.0	95.0	106.0	122.0	144.0	181.0	260	432	480
DDV85-19	765	31.0	62.0	73.0	87.0	107.0	120.0	137.0	162.0	204.0	293	486	540
DDV85-21	850	34.0	69.0	81.0	97.0	119.0	133.0	152.0	180.0	226.0	325	540	600
DDV85-23	935	38.0	76.0	89.0	107.0	131.0	146.0	167.0	198.0	249.0	358	594	660
DDV85-25	1020	41.0	83.0	97.0	116.0	142.0	160.0	182.0	216.0	271.0	390	648	720
DDV85-27	1105	44.0	89.0	105.0	126.0	154.0	173.0	198.0	234.0	294.0	423	702	780
DDV85-29	1190	48.0	97.0	113.0	136.0	166.0	186.0	213.0	252.0	316.0	455	756	840
DDV85-31	1275	51.0	103.0	121.0	145.0	178.0	199.0	228.0	270.0	339.0	487	810	900
DDV85-33	1360	55.0	110.0	130.0	155.0	190.0	213.0	243.0	288.0	362.0	520	864	960

\*Ampere values listed represented 100% of the cell's capacity. Initial capacity shall be a minimum of 90% of these values per IEEE 1188.

\*\*At 77°F (25°C) includes intercell connector drop.

All data subject to change without notice.

## AVERAGE CELL PERFORMANCE DATA\* (Discharge Rates in KW/Cell\*\*)

TYPE	NOM. AH	5 MIN	6 MIN	7 MIN	8 MIN	9 MIN	10 MIN	11 MIN	14 MIN	15 MIN	16 MIN	20 MIN	25 MIN	30 MIN	45 MIN	60 MIN
<b>TYPE DDV40</b>		<b>TO 1.75 END VOLTS PER CELL</b>														
DDV40-7	120	0.275	0.267	0.262	0.254	0.248	0.240	0.232	0.213	0.205	0.202	0.189	0.181	0.159	0.127	0.113
DDV40-9	160	0.367	0.356	0.349	0.338	0.331	0.320	0.310	0.284	0.274	0.270	0.252	0.241	0.212	0.169	0.151
DDV40-11	200	0.459	0.446	0.437	0.423	0.414	0.400	0.387	0.356	0.342	0.388	0.315	0.302	0.266	0.212	0.189
DDV40-13	240	0.551	0.535	0.524	0.508	0.497	0.481	0.464	0.427	0.410	0.405	0.378	0.362	0.319	0.254	0.227
DDV40-15	280	0.643	0.624	0.611	0.592	0.580	0.561	0.542	0.498	0.479	0.473	0.441	0.422	0.372	0.296	0.265
DDV40-17	320	0.734	0.713	0.698	0.677	0.662	0.641	0.619	0.569	0.547	0.540	0.504	0.482	0.425	0.338	0.302
DDV40-19	360	0.826	0.802	0.786	0.761	0.745	0.721	0.697	0.640	0.616	0.608	0.567	0.543	0.478	0.381	0.340
DDV40-21	400	0.918	0.891	0.873	0.846	0.828	0.801	0.774	0.711	0.684	0.675	0.630	0.603	0.531	0.423	0.378
<b>TYPE DDV85</b>																
DDV85-11	425	0.738	0.725	0.711	0.698	0.684	0.675	0.666	0.630	0.617	0.608	0.567	0.518	0.482	0.400	0.347
DDV85-13	510	0.886	0.869	0.853	0.837	0.821	0.810	0.799	0.756	0.740	0.729	0.680	0.621	0.578	0.481	0.416
DDV85-15	595	1.033	1.014	0.995	0.977	0.958	0.945	0.932	0.882	0.863	0.851	0.794	0.725	0.674	0.561	0.485
DDV85-17	680	1.181	1.159	1.138	1.116	1.094	1.080	1.066	1.008	0.986	0.972	0.907	0.828	0.770	0.641	0.554
DDV85-19	765	1.328	1.304	1.280	1.256	1.231	1.215	1.199	1.134	1.110	1.094	1.021	0.932	0.867	0.721	0.624
DDV85-21	850	1.476	1.449	1.422	1.395	1.368	1.350	1.332	1.260	1.233	1.215	1.134	1.035	0.963	0.801	0.693
DDV85-23	935	1.624	1.594	1.564	1.535	1.505	1.485	1.465	1.386	1.356	1.337	1.247	1.139	1.059	0.881	0.762
DDV85-25	1020	1.771	1.739	1.706	1.674	1.642	1.620	1.598	1.512	1.480	1.458	1.361	1.242	1.156	0.961	0.832
DDV85-27	1105	1.919	1.884	1.849	1.814	1.778	1.755	1.732	1.683	1.638	1.580	1.474	1.346	1.252	1.041	0.901
DDV85-29	1190	2.066	2.028	1.991	1.953	1.915	1.890	1.865	1.764	1.726	1.701	1.588	1.449	1.348	1.121	0.970
DDV85-31	1275	2.214	2.173	2.133	2.092	2.052	2.025	1.998	1.890	1.849	1.822	1.701	1.552	1.444	1.201	1.039
DDV85-33	1360	2.362	2.318	2.275	2.232	2.189	2.160	2.131	2.016	1.973	1.944	1.814	1.656	1.541	1.282	1.109
<b>TYPE DDV40</b>		<b>TO 1.67 END VOLTS PER CELL</b>														
DDV40-7	120	0.302	0.294	0.289	0.281	0.273	0.265	0.259	0.235	0.221	0.211	0.202	0.186	0.173	0.135	0.122
DDV40-9	160	0.403	0.392	0.385	0.374	0.364	0.353	0.346	0.313	0.295	0.281	0.270	0.248	0.230	0.180	0.162
DDV40-11	200	0.504	0.491	0.482	0.468	0.455	0.441	0.432	0.391	0.369	0.351	0.338	0.311	0.288	0.225	0.202
DDV40-13	240	0.605	0.589	0.578	0.562	0.545	0.529	0.518	0.470	0.443	0.421	0.405	0.373	0.346	0.270	0.243
DDV40-15	280	0.706	0.687	0.674	0.655	0.636	0.617	0.605	0.548	0.517	0.491	0.473	0.435	0.403	0.315	0.284
DDV40-17	320	0.806	0.785	0.770	0.749	0.727	0.706	0.691	0.626	0.590	0.562	0.540	0.497	0.461	0.360	0.324
DDV40-19	360	0.907	0.883	0.867	0.842	0.818	0.794	0.778	0.705	0.664	0.632	0.608	0.559	0.518	0.405	0.365
DDV40-21	400	1.008	0.981	0.963	0.936	0.909	0.882	0.864	0.783	0.738	0.702	0.675	0.621	0.576	0.450	0.405
<b>TYPE DD/V85</b>																
DDV85-11	425	0.860	0.842	0.824	0.806	0.788	0.770	0.756	0.720	0.702	0.684	0.639	0.585	0.536	0.432	0.369
DDV85-13	510	1.031	1.010	0.988	0.967	0.945	0.923	0.907	0.864	0.842	0.821	0.767	0.702	0.643	0.518	0.443
DDV85-15	595	1.203	1.178	1.153	1.128	1.103	1.077	1.058	1.008	0.983	0.958	0.895	0.819	0.750	0.605	0.517
DDV85-17	680	1.375	1.346	1.318	1.289	1.260	1.231	1.210	1.152	1.123	1.094	1.022	0.936	0.857	0.691	0.590
DDV85-19	765	1.547	1.515	1.482	1.450	1.418	1.385	1.361	1.296	1.264	1.231	1.150	1.053	0.964	0.778	0.664
DDV85-21	850	1.719	1.683	1.647	1.611	1.575	1.539	1.512	1.440	1.404	1.368	1.278	1.170	1.071	0.864	0.738
DDV85-23	935	1.891	1.851	1.812	1.772	1.733	1.693	1.663	1.584	1.544	1.505	1.406	1.287	1.178	0.950	0.812
DDV85-25	1020	2.063	2.020	1.976	1.933	1.890	1.847	1.814	1.728	1.685	1.642	1.534	1.404	1.285	1.037	0.886
DDV85-27	1105	2.235	2.188	2.141	2.094	2.048	2.001	1.966	1.872	1.825	1.778	1.661	1.521	1.392	1.123	0.959
DDV85-29	1190	2.407	2.356	2.306	2.255	2.205	2.155	2.117	2.016	1.966	1.915	1.789	1.638	1.499	1.210	1.033
DDV85-31	1275	2.578	2.524	2.470	2.416	2.362	2.308	2.268	2.160	2.106	2.052	1.917	1.755	1.606	1.296	1.107
DDV85-33	1360	2.750	2.693	2.635	2.578	2.520	2.462	2.419	2.304	2.246	2.189	2.045	1.872	1.714	1.382	1.181

\*kW values listed represented 100% of the initial capacity.

\*\*At 77°F (25°C) includes intercell connector drop.

All data subject to change without notice.

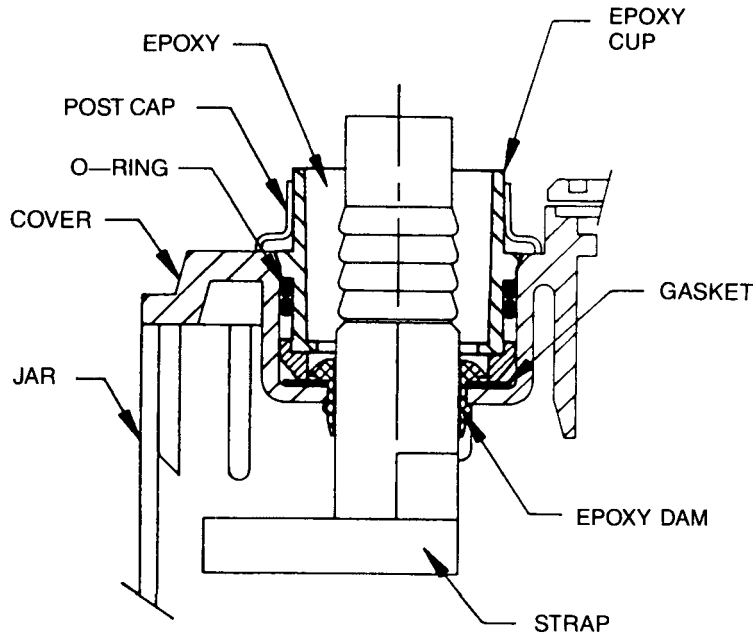
## Short Circuit Current

TYPE	AMPS
DDV40-07	1056
DDV40-09	1414
DDV40-11	1764
DDV40-13	2121
DDV40-15	2471
DDV40-17	2829
DDV40-19	3178
DDV40-21	3536

TYPE	AMPS
DDV85-11	3323
DDV85-13	3987
DDV85-15	4652
DDV85-17	5316
DDV85-19	5981
DDV85-21	6646
DDV85-23	7310
DDV85-25	7975
DDV85-27	8639
DDV85-29	9304
DDV85-31	9968
DDV85-33	10633

# New and Improved Posi-Fit Slide-Lock™ Post Seal

- O-ring retainer forms an epoxied seal to the lead post in such a way to allow for movement between post and cover.
- Movement allows for plate growth during battery's life without the seal.
- Epoxy seal is room temperature cured. No thermal stresses are introduced to the post seal as with conventional jar bushing to post seal burning assembly techniques.
- A positive fit epoxy dam has been added to lock epoxy dam into the cell's cover.
- Compression rubber gasket between cap and cover.



## DDV Slide-Lock™ Seal



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When ordering new batteries, also remember to properly recycle your old lead batteries. Federal and state regulations require lead-acid batteries be recycled. EnerSys' nationwide service organization can arrange pickup, transportation to and recycling at any one of our company affiliated smelters. Call 1-800-972-7372 for more information.

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