

*Power You Can
Depend On*

C&D TECHNOLOGIES
Power Solutions

MPS Series

Valve Regulated Lead Acid

—— Reliability & Best Value for Money



WWW.CDTECHNO.COM.CN
WWW.CDTECHNO.COM

MPS Series

MULTI PURPOSE SERIES



Valve Regulated Lead Acid Battery For Standby Power Applications

Applications

- Telecommunications
- General Purpose Applications
- Uninterrupted Power Supply (UPS)
- Other Float Applications

Features

- Design life: 10years (>26Ah)
5 years (≤26Ah)
- Robust plate for extended life.
- Flame-arresting one-way pressure-relief vent for safety and long life.
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- Multicell design for economy of installation and maintenance.
- Computer designed lead, low Calcium alloy grid for minimal gassing and ease of recycling.
- UL-recognized component.
- Not restricted for air transport – Complies with IATA/ICAO Special Provision A67.
- Not restricted for surface transport – classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189
- Not restricted for water transport – classified as non-hazardous material per IMDG Amendment 27

Specifications

Model	V	Capacity/Ah (C20,1.75V@25°C)	Dimensions mm(inch)				Weight/Kg	Terminal Type (Bolt)
			L	W	H	TH		
MPS 12-7	12	7.2	151	65	94	100	2.15	Faston Tab 250
MPS 12-9	12	9	151	65	94	100	2.4	Faston Tab 250
MPS 12-12	12	12	151	65	98	100	3.5	Faston Tab 250
MPS 12-18	12	18	181	76	163	166	5.5	Insert (M5)
MPS 12-26	12	26	166	175	122	125	7.9	Insert (M5)
MPS 12-40N	12	43	197	165	170	170	13.4	Insert (#10-32 UNF)
MPS 12-54	12	54	228	139	201	225	17.0	L-type (M6)
MPS 12-65N	12	67	331	164	171	174	21.3	Insert (1/4-20 UNC)
MPS 12-76R	12	76	273	174	201	224	23.3	L-type (M6)
MPS 12-88R	12	88	319	173	203	230	26.0	L-type (M6)
MPS 12-100R	12	100	319	173	203	230	29.5	L-type (M6)
MPS 12-114	12	114	341	173	215	243	32.5	L-type (M6)
MPS 12-120	12	120	341	173	213	216	33.3	Insert (1/4-20 UNC)
MPS 12-150	12	150	345	173	275	278	44.7	Insert (1/4-20 UNC)
MPS 12-200	12	200	525	236	227	227	62.7	Insert (M8)
MPS 12-240	12	240	525	236	227	227	68.6	Insert (M8)

* All dimensions are for reference only. Contact a C&D Representative for complete dimensional information.

Specifications

Operating Temperature Range with temperature compensation	Discharge: -40°F (-40°C) to +160°F (71°C). Charge: -10°F (-23°C) to +140°F (60°C)
Recommended Operating Temperature Range	+74°F (23°C) to +80°F (27°C).
Floating Charging Voltage	13.65±0.15VDC per cell at 77°F (25°C) (Recommendation:13.65V per unit)
Recommended Maximum Charging Current Limit	C/5 amperes @ 20 hr. rate.
Equalization and Cycle Service Charging Voltage	14.4 to 14.8 VDC/unit Average at 77°F (25°C).
Maximum AC Ripple (Charger)	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum voltage allowed = 1.4% RMS (4% P-P). Maximum current allowed = 5.10 amperes RMS (C/20).
Self Discharge	MPS batteries may be stored for up to 4 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Accessories (Optional)	Inter unit connectors, racks and cabinet systems are available.

MPS 12-7

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	28.7	23.2	19.5	18.9	15.2	13.2	10.0	8.5	6.4	4.97	3.41	2.75	2.27	1.42	1.16	0.96	0.50
1.80	32.6	24.9	20.7	19.5	15.7	13.6	10.2	8.7	6.5	5.15	3.48	2.78	2.29	1.43	1.18	0.97	0.51
1.75	36.1	26.6	21.9	20	16.1	13.9	10.4	8.8	6.5	5.20	3.53	2.79	2.32	1.44	1.21	0.99	0.55
1.70	39.6	27.8	23.1	20.2	16.3	14.2	10.6	8.9	6.5	5.24	3.54	2.82	2.35	1.45	1.22	1.00	0.57
1.67	41.6	28.9	23.5	20.5	16.5	14.4	10.8	9.0	6.6	5.27	3.56	2.84	2.37	1.46	1.23	1.01	0.59
1.65	42.1	29.3	23.7	20.8	16.7	14.5	10.9	9.1	6.7	5.28	3.56	2.85	2.38	1.47	1.24	1.01	0.60

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	13.5	11.0	9.4	5.7	3.8	2.8	2.25	1.57	1.29	1.08	0.92	0.81	0.72	0.60	0.52	0.31	0.26
1.85	13.9	11.3	9.6	6.4	4.2	3.1	2.48	1.73	1.42	1.19	0.98	0.86	0.77	0.64	0.55	0.33	0.28
1.80	16.1	12.5	10.5	6.7	4.3	3.2	2.59	1.77	1.43	1.20	1.02	0.88	0.78	0.65	0.56	0.34	0.29
1.75	18.2	13.4	11.2	6.9	4.4	3.2	2.61	1.79	1.44	1.21	1.04	0.88	0.79	0.66	0.57	0.36	0.30

MPS 12-9

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	37.8	29.7	24.9	23.6	19.0	17.1	12.3	10.8	8.2	6.38	4.40	3.56	2.88	1.82	1.50	1.25	0.67
1.80	42.8	31.9	26.4	24.3	19.6	17.6	12.6	11.0	8.3	6.38	4.40	3.56	2.91	1.83	1.53	1.26	0.68
1.75	47.5	34.1	28	25.0	20.1	18.0	12.8	11.2	8.3	6.38	4.40	3.56	2.94	1.84	1.55	1.28	0.74
1.70	52.1	35.6	29.5	25.2	20.4	18.4	13.0	11.3	8.3	6.38	4.40	3.56	2.98	1.86	1.57	1.30	0.76
1.67	54.8	37.1	30.0	25.6	20.6	18.5	13.3	11.4	8.3	6.38	4.40	3.56	3.01	1.88	1.59	1.31	0.78
1.65	55.4	37.5	30.3	25.9	20.9	18.8	13.4	11.6	8.4	6.38	4.40	3.56	3.02	1.88	1.59	1.31	0.79

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	18.0	14.2	12.0	7.3	4.9	3.6	2.90	2.02	1.66	1.36	1.14	1.02	0.91	0.75	0.65	0.40	0.33
1.85	18.4	14.5	12.2	8.2	5.3	4.0	3.19	2.23	1.82	1.50	1.21	1.09	0.97	0.80	0.68	0.41	0.34
1.80	21.3	15.9	13.3	8.5	5.4	4.1	3.33	2.27	1.84	1.51	1.26	1.10	0.98	0.81	0.70	0.43	0.35
1.75	23.9	17.1	14.1	8.8	5.6	4.1	3.36	2.30	1.85	1.53	1.28	1.11	0.99	0.83	0.71	0.45	0.37

MPS Series

MPS 12-12

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	46.9	37.3	31.5	30.7	24.8	21.6	15.9	13.9	10.8	8.38	5.93	4.81	3.91	2.49	2.07	1.73	0.96
1.80	53.2	40.1	33.5	31.7	25.5	22.2	16.3	14.1	10.9	8.69	6.05	4.86	3.95	2.51	2.10	1.74	0.98
1.75	59.0	42.8	35.5	32.5	26.1	22.7	16.6	14.4	10.9	8.76	6.12	4.88	3.99	2.52	2.14	1.77	1.05
1.70	64.7	44.7	37.4	32.9	26.6	23.2	16.9	14.6	11.0	8.83	6.15	4.92	4.04	2.54	2.16	1.79	1.08
1.67	68.0	46.5	38.0	33.3	26.9	23.4	17.2	14.7	11.0	8.89	6.17	4.96	4.08	2.56	2.18	1.81	1.11
1.65	68.8	47.1	38.4	33.7	27.2	23.7	17.4	14.9	11.1	8.90	6.18	4.97	4.09	2.57	2.19	1.82	1.12

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	23.0	18.0	15.4	9.4	6.3	4.8	3.81	2.72	2.23	1.83	1.56	1.37	1.22	1.00	0.87	0.52	0.44
1.85	23.4	18.5	15.7	10.4	6.8	5.2	4.19	2.99	2.45	2.01	1.66	1.46	1.30	1.07	0.91	0.54	0.46
1.80	26.9	20.3	17.1	10.8	7.0	5.4	4.37	3.05	2.47	2.03	1.72	1.48	1.32	1.08	0.93	0.56	0.47
1.75	30.2	21.8	18.1	11.2	7.2	5.5	4.4	3.09	2.48	2.05	1.76	1.49	1.33	1.10	0.94	0.60	0.50

MPS 12-18

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	74.7	59.8	50.1	48.4	39.0	34.0	25.1	21.4	16.5	12.76	8.99	7.30	5.95	3.83	3.19	2.69	1.53
1.80	84.8	64.3	53.2	49.9	40.2	34.9	25.7	21.8	16.7	13.22	9.17	7.38	6.01	3.86	3.25	2.71	1.56
1.75	94.0	68.7	56.3	51.2	41.2	35.8	26.2	22.2	16.8	13.33	9.28	7.41	6.08	3.88	3.30	2.76	1.67
1.70	103.0	71.7	59.5	51.7	41.8	36.5	26.7	22.5	16.8	13.44	9.32	7.48	6.15	3.91	3.34	2.79	1.72
1.67	108.3	74.7	60.2	52.5	42.3	36.8	27.1	22.6	16.9	13.53	9.36	7.54	6.22	3.94	3.37	2.81	1.75
1.65	109.6	75.5	61.0	53.1	42.8	37.3	27.4	22.9	17.1	13.54	9.37	7.55	6.23	3.95	3.38	2.82	1.76

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	38.0	30.0	25.0	16.3	9.8	7.3	5.81	4.12	3.37	2.76	2.36	2.08	1.85	1.50	1.28	0.78	0.67
1.85	38.4	30.5	25.5	16.7	10.6	8.0	6.38	4.52	3.70	3.03	2.51	2.20	1.96	1.60	1.33	0.82	0.71
1.80	44.2	33.4	27.7	17.4	10.9	8.3	6.65	4.61	3.73	3.06	2.60	2.24	1.99	1.63	1.36	0.84	0.73
1.75	49.5	35.9	29.4	18.0	11.1	8.4	6.71	4.67	3.75	3.09	2.65	2.26	2.01	1.65	1.38	0.90	0.76

MPS 12-26

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	103.3	81.8	68.2	65.5	53.4	47.0	35.6	30.9	23.5	17.88	12.77	10.39	8.35	5.49	4.59	3.92	2.27
1.80	117.2	87.8	72.4	67.5	55.0	48.3	36.4	31.5	23.7	18.52	13.03	10.50	8.44	5.53	4.66	3.95	2.31
1.75	129.9	93.9	76.6	69.2	56.4	49.5	37.2	32.0	23.8	18.68	13.18	10.54	8.53	5.55	4.74	4.02	2.46
1.70	142.3	97.9	80.9	69.9	57.3	50.5	37.8	32.4	23.9	18.83	13.24	10.64	8.63	5.60	4.79	4.06	2.54
1.67	149.7	102.0	82.0	71.0	58.0	51.0	38.5	32.7	24.0	18.95	13.29	10.72	8.72	5.65	4.84	4.10	2.59
1.65	151.4	103.2	82.9	71.8	58.6	51.6	38.9	33.1	24.3	18.96	13.30	10.74	8.74	5.66	4.85	4.11	2.60

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	73.6	42.5	39.3	21.2	14.1	10.4	8.15	5.84	4.77	3.85	3.30	2.90	2.58	2.19	1.90	1.13	0.97
1.85	54.3	42.5	35.3	23.4	15.4	11.4	8.94	6.41	5.24	4.23	3.50	3.07	2.73	2.34	1.97	1.18	1.02
1.80	62.3	46.4	38.4	24.4	15.8	11.8	9.32	6.54	5.29	4.27	3.62	3.12	2.78	2.37	2.02	1.22	1.04
1.75	69.7	49.9	40.7	25.2	16.1	11.9	9.40	6.62	5.31	4.32	3.70	3.15	2.80	2.38	2.05	1.30	1.10

MPS 12-40N

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	187.9	149.2	120.0	101.6	87.8	79.1	58.9	47.8	34.9	27.87	20.05	15.87	13.23	8.98	7.36	6.21	3.84
1.80	220.6	163.4	130.4	109.6	94.3	84.5	62.5	50.4	36.4	28.91	20.79	16.41	13.65	9.25	7.60	6.41	3.97
1.75	232.2	174.4	137.3	114.6	98.0	87.5	64.0	51.2	36.9	29.20	20.98	16.57	13.80	9.32	7.66	6.48	4.03
1.70	237.9	180.8	140.7	117.0	99.7	88.8	64.7	51.6	37.1	29.39	21.09	16.66	13.86	9.39	7.70	6.51	4.06
1.67	239.8	181.8	141.6	117.7	100.3	89.3	64.9	51.7	37.3	29.54	21.21	16.75	13.94	9.41	7.71	6.52	4.08
1.65	241.5	182.8	143.2	118.7	100.8	89.6	65.0	51.8	37.4	29.62	21.25	16.77	13.95	9.41	7.73	6.55	4.09

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	72.7	72.2	56.1	36.3	21.4	15.4	12.26	8.85	7.03	5.88	5.08	4.49	4.03	3.37	2.92	1.93	1.67
1.85	102.5	81.3	64.9	41.4	24.0	17.2	13.59	9.74	7.69	6.40	5.51	4.86	4.35	3.63	3.13	2.05	1.76
1.80	121.3	90.0	71.7	44.5	25.5	18.2	14.33	10.23	8.05	6.69	5.75	5.05	4.52	3.76	3.23	2.11	1.81
1.75	128.1	97.1	75.7	45.6	26.0	18.6	14.61	10.35	8.13	6.77	5.82	5.13	4.60	3.82	3.29	2.14	1.84

C&D 12-54

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	201.8	160.3	129.5	109.8	96.5	86.9	67.1	55.8	40.8	32.71	23.71	18.86	15.79	10.84	8.92	7.60	4.84
1.80	228.3	176.8	142.2	119.3	104.1	93.2	71.5	59.3	42.9	34.12	24.61	19.51	16.31	11.04	9.10	7.77	4.98
1.75	242.7	185.8	151.8	125.8	108.6	96.4	73.7	60.9	43.9	34.74	24.99	19.71	16.51	11.16	9.20	7.85	5.02
1.70	257.0	195.4	158.2	130.1	111.8	98.8	74.8	61.5	44.2	34.99	25.15	19.91	16.66	11.22	9.25	7.89	5.05
1.67	263.1	200.0	160.8	131.9	113.1	99.8	75.4	61.8	44.4	35.14	25.24	20.01	16.71	11.24	9.26	7.92	5.08
1.65	265.8	202.8	161.8	132.8	113.9	100.5	75.8	62.1	44.8	35.52	25.37	20.11	16.76	11.27	9.28	7.95	5.15

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	71.9	69.8	58.5	41.5	26.5	19.8	16.16	11.56	9.11	7.58	6.52	5.74	5.14	4.27	3.67	2.39	2.06
1.85	103.0	86.1	70.5	46.2	29.1	21.8	17.70	12.60	9.90	8.21	7.05	6.19	5.54	4.59	3.94	2.57	2.21
1.80	122.3	95.8	77.2	49.8	31.1	23.0	18.50	13.13	10.30	8.53	7.32	6.43	5.75	4.76	4.09	2.67	2.30
1.75	133.9	103.2	82.2	52.2	31.9	23.3	18.70	13.29	10.47	8.65	7.44	6.54	5.85	4.84	4.17	2.72	2.34

C&D 12-65N

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	263.1	197.1	160.9	139.9	124.0	113.5	84.2	68.1	50.8	41.21	30.44	24.51	20.60	13.96	11.55	9.89	6.38
1.80	305.8	217.1	175.3	151.1	132.9	121.0	89.1	71.6	53.0	42.81	31.40	25.26	21.30	14.39	11.91	10.19	6.58
1.75	326.7	232.2	184.5	158.1	138.2	125.4	91.9	73.7	54.3	43.73	31.95	25.63	21.55	14.55	12.03	10.29	6.63
1.70	337.3	239.9	190.5	161.9	140.6	126.9	92.9	74.4	54.7	44.03	32.13	25.74	21.63	14.60	12.07	10.33	6.66
1.67	344.1	244.8	194.4	164.3	142.0	127.8	93.4	74.8	55.0	44.22	32.24	25.82	21.68	14.64	12.10	10.36	6.67
1.65	348.9	248.2	197.0	166.0	143.0	128.4	93.8	75.1	55.2	44.34	32.31	25.91	21.71	14.66	12.12	10.37	6.69

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	97.1	97.9	76.1	51.5	32.5	24.2	19.64	14.62	11.70	9.75	8.37	7.33	6.53	5.39	4.62	2.97	2.54
1.85	138.3	109.0	88.4	59.1	35.5	26.3	21.28	15.79	12.64	10.53	9.02	7.90	7.04	5.81	4.97	3.20	2.73
1.80	172.5	121.5	98.3	63.9	37.7	27.7	22.30	16.27	12.93	10.74	9.19	8.06	7.19	5.95	5.10	3.29	2.82
1.75	182.8	132.5	104.2	66.0	38.7	28.3	22.60	16.48	13.10	10.91	9.34	8.19	7.31	6.04	5.18	3.35	2.86

MPS Series

C&D 12-76R

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	282.8	233.8	190.9	161.9	142.5	128.3	99.3	82.8	60.7	48.69	35.33	28.13	23.76	15.97	13.19	11.28	7.11
1.80	316.6	261.0	212.2	177.0	153.7	137.0	105.5	87.6	63.5	50.54	36.62	29.13	24.61	16.53	13.63	11.64	7.32
1.75	346.9	275.8	223.2	184.7	159.4	141.4	107.9	89.0	64.5	51.33	37.19	29.57	24.91	16.77	13.82	11.80	7.40
1.70	366.4	288.7	232.5	190.8	163.7	144.4	109.3	89.8	65.0	51.69	37.41	29.73	25.11	16.84	13.88	11.84	7.42
1.67	385.9	295.3	236.3	193.4	165.5	145.8	110.1	90.2	65.3	51.91	37.55	29.83	25.21	16.89	13.91	11.87	7.44
1.65	397.4	299.4	239.4	195.4	166.8	146.7	110.3	90.1	65.4	52.05	37.64	29.89	25.31	16.91	13.93	11.89	7.45

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	90.0	89.8	79.3	61.9	38.8	28.6	23.00	16.48	13.00	10.81	9.30	8.18	7.33	6.10	5.25	3.38	2.91
1.85	129.3	117.4	97.0	68.6	42.4	30.9	24.72	17.73	14.05	11.68	10.07	8.87	7.95	6.60	5.67	3.62	3.10
1.80	168.7	138.7	115.8	73.6	44.1	32.1	25.60	18.43	14.55	12.11	10.41	9.17	8.20	6.79	5.82	3.78	3.24
1.75	201.8	148.8	121.2	75.2	44.7	32.6	26.00	18.68	14.75	12.29	10.56	9.29	8.30	6.87	5.88	3.82	3.28

MPS 12-88R

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	336.0	260.6	225.1	190.1	166.8	145.9	112.5	89.9	65.3	52.74	38.94	30.70	25.68	17.43	14.29	12.07	7.74
1.80	400.5	294.0	245.6	210.7	185.4	160.0	121.4	101.9	70.6	56.86	41.22	32.34	26.74	18.25	14.96	12.74	8.01
1.75	448.6	328.0	262.6	219.1	193.0	166.8	126.4	101.7	74.7	59.95	43.05	33.30	27.61	18.73	15.45	13.13	8.30
1.70	492.1	341.7	269.4	223.5	196.1	168.9	128.1	103.1	76.1	-	-	-	-	-	-	-	-
1.67	506.6	352.1	275.1	227.0	199.3	171.6	129.5	104.1	76.5	-	-	-	-	-	-	-	-
1.65	511.4	357.0	279.7	229.2	201.7	174.3	131.0	105.0	77.0	-	-	-	-	-	-	-	-

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	143.0	118.8	103.2	70.0	42.8	31.5	25.30	18.43	14.95	12.46	10.77	9.47	8.48	6.93	5.92	3.87	3.28
1.85	182.0	138.8	119.2	76.6	46.8	34.2	27.40	20.23	16.07	13.36	11.55	10.22	9.11	7.48	6.34	4.10	3.44
1.80	220.0	158.8	131.2	84.6	50.9	36.9	29.70	21.53	16.90	13.96	12.12	10.66	9.54	7.83	6.69	4.27	3.58
1.75	250.0	179.2	141.2	88.6	53.6	39.2	31.40	22.53	17.45	14.46	12.47	10.97	9.86	8.12	6.91	4.40	3.67

MPS 12-100R

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	366.3	307.7	257.8	218.6	192.2	173.1	134.6	112.6	80.7	63.67	45.61	35.98	29.93	20.30	16.79	14.20	8.85
1.80	456.5	339.5	286.8	238.4	206.4	183.6	141.6	117.8	84.2	66.33	47.39	37.32	31.00	21.06	17.21	14.61	9.21
1.75	489.0	360.2	296.8	246.6	213.5	189.8	145.6	120.6	86.0	67.61	48.18	37.87	31.41	21.19	17.35	14.75	9.35
1.70	505.7	372.9	308.8	255.4	220.4	195.4	148.0	121.6	86.6	68.11	48.50	38.11	31.61	21.30	17.49	14.93	9.39
1.67	516.1	384.4	314.8	259.6	223.4	197.7	149.2	122.2	87.0	68.40	48.70	38.26	31.71	21.31	17.55	14.97	9.44
1.65	523.2	392.7	319.8	262.8	225.7	199.3	150.1	122.7	87.3	68.60	48.83	38.36	31.80	21.33	17.61	15.01	9.45

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	125.1	124.3	114.7	82.6	52.7	38.8	31.23	22.19	17.41	14.42	12.37	10.87	9.70	7.97	6.83	4.34	3.69
1.85	168.0	158.1	135.5	93.2	57.9	42.7	34.42	24.24	18.90	15.58	13.31	11.65	10.38	8.56	7.31	4.70	4.01
1.80	202.4	175.9	152.5	101.2	60.5	44.5	35.74	25.18	19.70	16.22	13.84	12.10	10.78	8.88	7.58	4.86	4.14
1.75	247.4	192.8	161.2	104.6	61.9	45.0	35.95	25.39	19.84	16.38	14.01	12.27	10.95	9.04	7.74	5.00	4.26

MPS 12-114

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	398.0	330.3	274.8	235.7	209.3	189.9	152.0	129.8	92.8	73.08	52.21	41.12	34.16	23.10	19.18	16.47	10.73
1.80	469.2	379.8	307.8	259.9	227.9	204.7	161.2	136.0	96.8	76.09	54.15	42.53	35.25	23.73	19.66	16.85	10.92
1.75	514.1	405.6	327.8	275.0	240.0	214.7	166.8	139.4	99.0	77.68	55.17	43.26	35.82	24.05	19.90	17.04	11.02
1.70	552.4	429.0	339.8	283.9	246.9	220.2	169.4	140.7	99.9	78.33	55.59	43.58	36.07	24.21	20.02	17.14	11.08
1.67	559.3	435.5	346.8	288.7	250.3	222.9	170.8	141.4	100.4	78.71	55.84	43.76	36.22	24.30	20.09	17.20	11.11
1.65	565.9	442.6	351.8	292.4	253.3	225.3	171.7	141.5	100.6	78.97	56.01	43.89	36.32	24.36	20.14	17.24	11.13

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	145.4	143.8	127.2	92.4	57.8	42.2	33.70	24.33	19.20	16.04	13.85	12.23	10.98	9.08	7.79	5.04	4.34
1.85	201.0	188.8	157.2	104.2	64.3	46.5	37.00	26.51	20.88	17.35	14.92	13.13	11.75	9.77	8.40	5.50	4.72
1.80	256.6	217.0	173.2	112.8	69.3	49.4	38.90	27.70	21.76	18.05	15.49	13.61	12.17	10.10	8.67	5.65	4.85
1.75	274.0	221.8	177.2	116.4	71.1	50.5	39.60	28.45	22.30	18.46	15.82	13.88	12.40	10.26	8.80	5.71	4.89

MPS 12-120

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	366.3	329.2	297.4	244.4	216.1	197.8	155.2	130.6	94.3	76.37	54.39	42.75	35.46	23.93	19.85	17.04	11.11
1.80	466.4	374.0	331.1	267.8	233.5	211.6	164.2	137.2	97.4	77.93	55.68	43.86	36.45	24.69	20.52	17.64	11.40
1.75	537.5	396.0	349.6	280.0	242.1	218.0	168.6	140.5	99.1	78.90	56.60	44.60	37.10	25.15	20.79	17.80	11.55
1.70	571.5	414.5	365.9	290.5	249.4	223.3	172.3	143.4	100.7	79.90	57.20	45.20	37.50	25.28	20.89	17.88	11.65
1.67	584.4	423.9	378.0	296.2	253.6	226.7	174.5	144.9	101.5	80.40	57.50	45.50	37.70	25.30	20.97	17.99	11.71
1.65	593.5	430.5	382.0	300.2	256.5	228.9	176.4	146.6	102.4	80.90	57.80	45.70	37.80	25.35	21.01	18.03	11.73

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	134.0	134.0	120.1	88.8	56.5	41.5	33.41	24.57	19.75	16.68	14.51	12.70	11.32	9.33	7.97	5.30	4.53
1.85	184.6	179.6	146.4	100.6	63.2	46.0	36.76	26.74	21.34	17.90	15.49	13.55	12.07	9.95	8.49	5.64	4.82
1.80	238.2	203.1	165.0	109.4	67.2	48.7	38.70	27.95	22.27	18.65	16.14	14.11	12.55	10.35	8.83	5.86	5.00
1.75	281.0	216.5	176.0	114.0	68.6	49.7	39.50	28.60	22.75	19.10	16.40	14.40	13.00	10.56	9.01	6.00	5.09

MPS 12-150

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	545.6	447.3	380.3	323.0	288.9	263.8	208.2	176.0	129.4	104.00	73.80	57.90	48.10	32.11	26.51	22.66	14.61
1.80	641.0	520.5	430.3	359.0	316.8	286.1	222.4	186.0	136.8	110.00	77.80	60.67	50.02	33.32	27.47	23.47	15.09
1.75	695.0	560.6	458.6	379.0	332.0	298.0	229.0	190.0	138.5	110.71	78.20	61.71	50.86	33.84	27.89	23.81	15.29
1.70	752.8	602.9	488.6	400.3	348.2	310.8	235.9	194.0	140.1	111.15	78.58	61.44	50.76	33.96	28.06	24.01	15.51
1.67	794.3	624.0	505.0	411.4	356.4	317.0	238.6	195.0	140.7	111.62	78.88	61.66	50.94	34.06	28.14	24.07	15.54
1.65	825.2	643.2	516.1	419.0	362.0	321.3	240.6	196.0	141.2	111.93	79.09	61.81	51.06	34.13	28.19	24.12	15.57

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	214.2	212.4	188.8	131.0	80.0	58.2	46.41	33.38	26.42	22.03	19.08	16.67	14.76	12.04	10.20	6.41	5.42
1.85	295.0	269.1	220.2	147.6	91.5	65.5	51.63	36.95	29.14	24.24	21.00	18.35	16.26	13.28	11.26	7.09	6.01
1.80	383.7	312.2	249.6	160.0	97.2	69.2	54.39	38.73	30.44	25.25	21.80	19.08	16.89	13.78	11.67	7.33	6.21
1.75	422.3	334.0	266.5	166.3	98.5	70.0	55.00	39.40	31.17	25.83	22.30	19.55	17.30	14.10	11.93	7.50	6.32

MPS 12-200

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	524.3	517.3	461.7	404.3	366.4	336.3	256.5	221.2	168.9	139.47	101.69	82.02	66.52	43.66	35.05	29.88	19.10
1.80	653.6	612.1	518.1	449.5	404.2	369.0	277.4	236.9	178.8	146.53	106.43	84.23	68.41	45.04	36.21	30.90	19.82
1.75	765.2	659.4	560.0	481.2	429.4	389.7	288.1	243.1	183.4	150.11	108.47	85.23	69.23	45.37	36.59	31.30	20.21
1.70	875.3	704.2	606.5	514.6	454.6	409.4	299.0	250.1	187.6	153.02	110.02	86.19	70.00	45.97	36.94	31.58	20.41
1.67	929.8	739.6	622.0	527.7	466.2	419.8	304.3	253.2	189.3	153.99	110.70	86.68	70.38	46.16	37.08	31.72	20.45
1.65	983.2	760.9	640.2	540.0	474.8	426.1	307.5	255.0	190.2	154.47	111.18	87.16	70.76	46.35	37.21	31.81	20.50

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	199.5	199.5	199.6	149.3	99.6	76.6	63.56	45.26	35.57	28.95	24.85	21.84	18.96	15.73	13.50	8.80	7.56
1.85	272.3	272.3	243.8	173.5	112.3	85.2	69.99	49.60	38.85	31.53	27.00	23.69	20.53	16.99	14.55	9.43	8.08
1.80	345.0	345.0	283.7	195.1	122.5	91.3	74.17	52.40	40.95	33.19	28.37	24.86	21.55	17.77	15.18	9.79	8.37
1.75	417.8	381.3	310.0	205.0	126.7	93.9	75.89	53.65	42.00	34.08	29.12	25.56	22.14	18.27	15.59	10.01	8.56

MPS 12-240

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	570.1	570.1	530.0	473.4	412.6	384.4	308.2	258.2	194.2	158.72	114.60	90.95	76.07	51.34	42.16	35.89	22.87
1.80	737.2	681.0	601.0	534.3	463.8	430.8	338.0	278.9	207.8	168.61	120.88	95.64	79.63	53.38	43.75	37.19	23.58
1.75	904.3	746.0	651.0	571.4	490.5	451.9	349.9	286.0	212.7	172.44	123.54	97.35	80.93	53.91	44.23	37.63	23.92
1.70	1017.4	808.0	689.0	600.1	511.8	469.2	358.1	289.8	214.9	173.86	124.18	98.00	81.54	54.71	44.79	38.04	24.07
1.67	1080.0	848.2	704.0	611.4	520.1	476.0	361.0	290.7	215.5	174.33	124.38	98.21	81.94	55.02	45.03	38.24	24.17
1.65	1120.0	869.1	718.0	621.1	526.6	480.8	364.2	293.1	216.6	174.8	125.04	98.75	82.36	54.94	45.20	38.37	24.25

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	228.5	228.5	228.5	183.7	122.8	92.6	74.56	54.18	43.14	35.65	30.90	27.39	24.11	19.72	16.73	10.55	8.95
1.85	320.7	320.7	301.4	213.0	139.7	104.3	83.38	59.85	47.31	38.86	33.57	29.69	26.15	21.42	18.15	11.39	9.64
1.80	413.0	405.1	354.0	246.2	152.9	112.4	88.94	63.26	50.00	40.81	35.09	30.95	27.25	22.24	18.84	11.83	10.02
1.75	505.3	452.6	390.0	263.8	157.7	115.1	90.55	64.48	50.86	41.62	35.81	31.55	27.80	22.67	19.19	12.03	10.18

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

TECHNOLOGIES

Contact us

Headquarters
C&D Technologies, Inc.
1400 Union Meeting Road
Blue Bell, Pennsylvania 19422-0858 USA

Europe
C&D Technologies (UK) Limited
Unit 25, Romsey Industrial Estate, Greatbridge Road
ROMSEY, Hampshire, SO51 0HR, UK
Mobile: (44) 0 7917724573
Office: (44) 0 1794 518173
Fax: (44) 0 1794 516556
E-mail: shosmer@cdtechno.com

Middle East & Africa
C&D TECHNOLOGIES (UK) LIMITED
LOB 15 – OFFICE 413
PO BOX 263116
JEBEL ALI FREE ZONE
DUBAI – UNITED ARAB EMIRATES
PH: (971) 4 8819256
FAX: (971) 4 8819257
E-mail: phockings@cdtechno.com

C&D Tech Power Solutions (India) Private Limited
Tel: (91) 44 2278 1434
E-mail: info-india@cdtechno.com

C&D Technologies (Hong Kong) Ltd.
Tel: (852) 2119 9870
Fax: (852) 2117 0342

C&D Tech (Singapore) Pte Ltd.
Tel: (65) 6291 1031
Fax: (65) 6291 0767
E-mail: southasia@cdtechno.com

Shanghai C&D Battery Co., Ltd.
Addr: No.55 Liandu Road,
Spark Development Zone,
Shanghai, China

C&D (Shanghai) Electronic Technologies Co., Ltd.
Tel: (86) 21 3711 1222
Fax: (86) 21 5750 3533
E-mail: supportapeu@cdtechno.com

C&D Jiangsu Technologies Co., Ltd.
Address: Circular Economy Industrial Park
Pizhou High-tech Industrial Development Zone,
Jiangsu Province China 221300
Tel: (86) 516 8687 9857

Website

www.cdtechno.com
www.cdtechno.com.cn

China Service Hotline: 400-678-3721 Email: supportapeu@cdtechno.com
C&D reserves the right to revise the data and information provided in this catalogue.