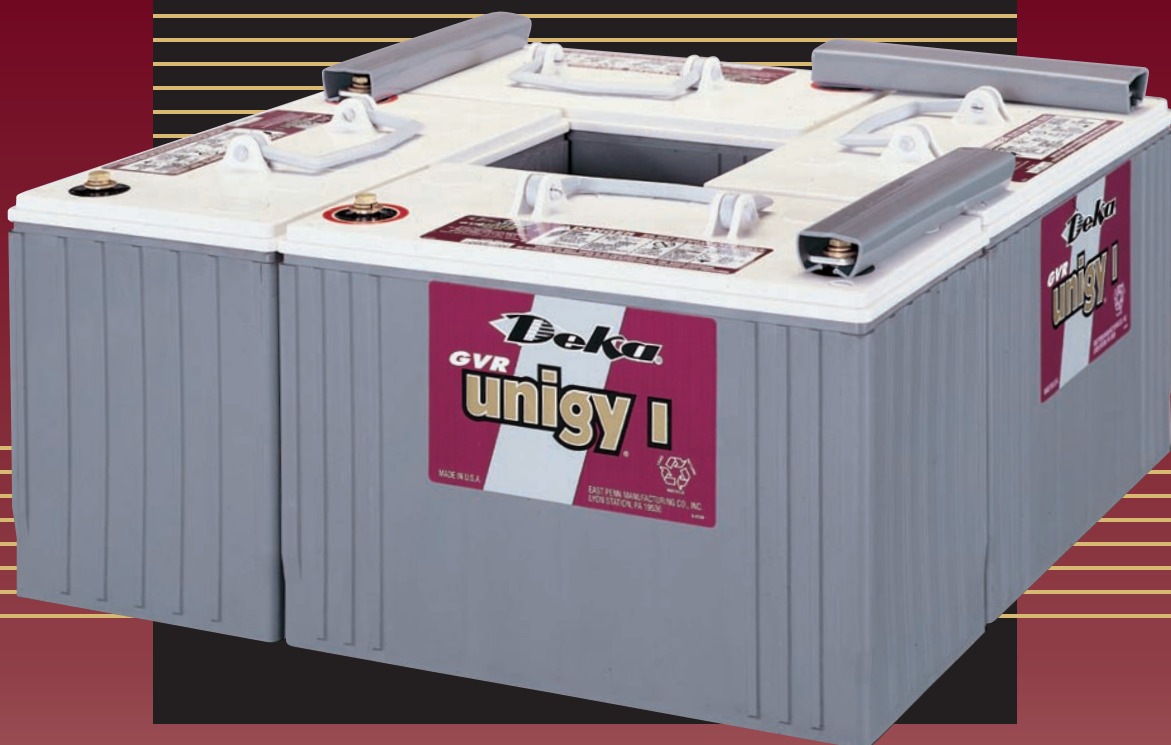


Deka[®]

unigy I[®]

Tomorrow's energy systems...today™



Standard layout configuration for telecommunications (48-volt)

***Gel valve-regulated, lead-acid battery
technology designed for ultimate performance***

- Individually tank formed plates...Optimize cell voltage balance.
- Epoxy-sealed posts and recessed terminals...Eliminate post leaks.
- Solid copper, tin-plated intercell connectors with insulators...Ensure highest current-carrying capability.
- UL 1989 recognized component
- Non-spillable battery... I.C.A.O., I.M.D.G., I.A.T.A., and D.O.T. air transport approved.
- Reinforced case, complete with carrying handle...Resists bulging and meets safety requirements (flammability rating, ASTM D-635, 28% LOI, UL94-V0).
- Computer-aided design and manufacturing...Ensures quality products through control of processes and standards.
- Made in U.S.A...Your assurance of quality.

QUALITY SYSTEM
CERTIFIED TO
ISO 9001
ISO/TS 16949
ISO 14001

The Deka Unigy I line of gel valve-regulated batteries are designed specifically for telecommunications. Available in both 75 A.H. and 100 A.H. capacities, these batteries are housed in flame-retardant, 12-volt monoblocks.

Specifications

NOMINAL VOLTAGE: 12-Volt

ALLOY: Lead Calcium Tin

ELEMENT POST: Heavy-Duty

POST SEAL: Epoxy Sealed

TERMINAL: Inserted Post 1/4" x 20
"No-Oxide Grease"
is not required.

CONTAINER/COVER: Flame Retardant Polypropylene - (Flammability Rating-ASTMD-635, 28% LOI, UL 94-V0)

SAFETY VENT: Self-Sealing

FLOAT VOLTAGE: 2.25 Volts Per Cell \pm .01 volt (Temperature Compensated) (13.50 Volts Per 6-Cell Unit)

RECHARGE VOLTAGE: 2.30 Volts Per Cell \pm .01 volt (Temperature Compensated) (13.80 Volts Per 6-Cell Unit)

SPECIFIC GRAVITY: 1.317

INTERCELL CONNECTORS: Tin-Plated, Solid Copper Bars with Flame-Retardant Insulators.

Constant Current Discharge Rates To Various End Voltages at 77°F (25°C)

End Voltage	Battery Type	1 Hr	1.5 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	7 Hr	8 Hr	9 Hr	10 Hr	12 Hr	20 Hr	24 Hr	48 Hr	100 Hr
1.94 V.P.C.	12 GVR-75	34.60	26.67	21.75	16.07	12.80	10.70	9.20	8.10	7.23	6.52	5.97	5.10	3.27	2.78	1.50	0.76
	12 GVR-100	44.40	33.98	27.84	20.61	16.50	13.78	11.87	10.42	9.33	8.43	7.68	6.56	4.13	3.50	1.83	0.90
1.90 V.P.C.	12 GVR-75	38.00	29.47	23.90	17.53	13.93	11.60	9.97	8.77	7.75	7.07	6.44	5.50	3.52	3.00	1.61	0.83
	12 GVR-100	49.10	37.70	30.72	22.72	18.18	15.19	13.09	11.52	10.29	9.31	8.49	7.24	4.56	3.86	2.01	0.99
1.88 V.P.C.	12 GVR-75	40.30	30.53	24.65	18.00	14.25	11.88	10.22	8.97	8.01	7.24	6.62	5.67	3.62	3.09	1.66	0.85
	12 GVR-100	50.86	38.88	31.68	23.42	18.72	15.65	13.48	11.85	10.59	9.57	8.74	7.45	4.70	3.98	2.07	1.02
1.85 V.P.C.	12 GVR-75	42.00	32.00	25.65	18.63	14.70	12.20	10.47	9.19	8.19	7.39	6.75	5.77	3.69	3.15	1.70	0.88
	12 GVR-100	52.84	40.38	32.88	24.19	19.30	16.15	13.92	12.25	10.95	9.90	9.03	7.71	4.90	4.12	2.14	1.05
1.80 V.P.C.	12 GVR-75	44.00	33.20	26.50	19.13	15.00	12.44	10.65	9.33	8.25	7.50	6.80	5.86	3.75	3.20	1.73	0.90
	12 GVR-100	54.65	41.86	33.96	24.96	19.92	16.65	14.30	12.56	11.22	10.14	9.25	7.88	4.97	4.20	2.19	1.08
1.75 V.P.C.	12 GVR-75	45.50	33.33	26.90	19.33	15.15	12.54	10.72	9.40	8.36	7.56	6.90	5.89	3.77	3.22	1.74	0.90
	12 GVR-100	55.44	42.50	34.44	25.25	20.10	16.78	14.43	12.69	11.34	10.25	9.35	7.96	5.02	4.24	2.20	1.08
1.70 V.P.C.	12 GVR-75	45.70	34.00	27.15	19.47	15.28	12.60	10.77	9.44	8.41	7.60	6.94	5.91	3.78	3.22	1.74	0.90
	12 GVR-100	56.09	42.94	34.80	25.54	20.30	16.94	14.56	12.79	11.43	10.33	9.42	8.02	5.06	4.28	2.22	1.09
1.67 V.P.C.	12 GVR-75	45.90	34.07	27.20	19.50	15.30	12.62	10.78	9.46	8.43	7.61	6.95	5.93	3.79	3.23	1.74	0.90
	12 GVR-100	56.59	43.26	35.04	25.73	20.42	17.04	14.64	12.88	11.49	10.40	9.48	8.08	5.09	4.31	2.24	1.10
1.63 V.P.C.	12 GVR-75	46.30	34.67	27.30	19.57	15.38	12.70	10.83	9.49	8.44	7.62	6.96	5.95	3.80	3.24	1.75	0.90
	12 GVR-100	56.91	43.52	35.28	25.84	20.52	17.11	14.70	12.91	11.52	10.41	9.50	8.09	5.09	4.31	2.24	1.10
1.60 V.P.C.	12 GVR-75	46.60	34.47	27.50	19.70	15.45	12.78	10.92	9.57	8.50	7.68	7.00	5.98	3.82	3.25	1.75	0.91
	12 GVR-100	57.03	43.58	35.30	25.84	20.52	17.11	14.70	12.91	11.52	10.41	9.50	8.09	5.09	4.31	2.24	1.10

Note: All ratings are after 10 cycles and conform to BCI specifications.

BATTERY	A	B	C	D	E	F	WEIGHT
12GVR-75	10.20 259.1	6.56 166.6	8.24 209.3	8.12 206.2	1.75 44.5	.97 24.6	52.1 23.7
12GVR-100	12.93 328.4	6.75 171.5	8.70 221.0	8.58 217.9	1.75 44.5	1.21 30.7	72.6 33.0

Chart contains dimensions in inches over millimeters or pounds over kilograms.
12GVR-100 shown in drawing.

"POWERED FOR PERFORMANCE"®

EAST PENN manufacturing co., inc.

Lyon Station, PA 19536-0147 • Phone: 610-682-6361 • Fax: 610-682-4781

Order Department Hotline: 610-682-3262

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