



Deka Cable TV Batteries deliver plenty of power for longer reliable life.



QUALITY SYSTEM
CERTIFIED TO
ISO 9001

Deka introduces a battery for the cable TV industry second to none. Our premium gelled electrolyte battery meets the most demanding applications with plenty of dependable power for float and deep-cycle service. This advanced technology offers the system designer or replacement specifier the highest quality in the industry.

NON-SPILLABLE by DOT (Department of Transportation), ICAO (International Commercial Airline Organization) and IATA (International Airline Transport Association) definitions.

FEATURES

- Gel electrolyte cannot stratify like liquid-acid batteries
- Valve-regulated design
- Sealed recombinant construction with gelled electrolyte
- Tank formed plates
- Compu-cast grids and computer-controlled oxide
- Self discharge rate of less than 2% per month (at 68°F/20°C)
- Heavy-duty "flag" type terminals
- Convenient removable carrying handle
- Made in U.S.A.

BENEFITS

- Providing longer battery life and more conventional operating time while significantly reducing maintenance and labor costs.
- Eliminates the need to check fluid levels. Just install it and forget maintenance (except for proper charging).
- Eliminates dangerous spills, leaks and terminal corrosion, protecting sensitive electronic equipment and extending battery and equipment life and performance.
- Fully formed plates for higher initial capacity and voltage matching.
- Provide maximum durability, power and life.
- Provides quick recharge, even if left discharged for months, so dependable power is available when needed.
- Resist breakage for reliable operation and lowest resistance.
- Provides easy transport and installation.
- Highest quality and quick availability.



CATV-GEL BATTERIES

EAST PENN manufacturing co., inc.

DISTRIBUTED BY:

Lyon Station, PA 19536-0147 • Phone: (610) 682-6361 • Fax: (610) 682-4781
Order Department Hotline: (610) 682-4231
WWW: <http://www.eastpenn-deka.com> • E-mail: eastpenn@eastpenn-deka.com



CATV-GEL BATTERIES

SPECIFICATIONS

PART NO.	FOOT NOTES	COLOR CODE	CELLS PER BATTERY	VOLTAGE PER BATTERY	APPROX. WEIGHT Lbs. (Kgs.)	ELECTROLYTE	MAXIMUM DISCHARGE CURRENT	WATTS AVAILABLE 1 MINUTE WATTS TO 1.50 VPC	MILLIOHMS RESISTANCE (FULL CHARGE)
8G27T876	HP	GG	6	12.7	63.2 (28.7)	GELLED	610 AMPS	5535	4.0

FOOTNOTES:
 H – Includes removable handle
 P – Polypropylene container and cover

DISCHARGE PERFORMANCE WATTS CONSTANT POWER PER BATTERY @ 77°F (25°C) (OPERATING TIME TO END POINT VOLTAGE)

END POINT VOLTS PER CELL	5 MIN.	10 MIN.	15 MIN.	20 MIN.	30 MIN.	40 MIN.	50 MIN.
1.75	2840	2100	1675	1400	1050	834	690
1.70	3005	2195	1740	1445	1080	857	708
1.67	3110	2255	1780	1470	1090	864	712
1.60	3355	2390	1865	1530	1120	881	722
1.55	3460	2440	1900	1555	1135	890	728

FULLY CHARGED OPERATING TEMPERATURE RANGE:

-76°F (-60°C) to 140°F (60°C)
 140°F (60°C) maximum for short duration acceptable

FLOAT CHARGING VOLTAGE:

13.5 to 13.8 VDC @ 68°F (20°C)

CYCLE SERVICE CHARGING VOLTAGE:

13.8 to 14.1 VDC @ 68°F (20°C)

CHARGER RIPPLE:

±30 mv/cell (180mv)

TERMINAL:

Combination flag terminals with .375" clearance hole to accept .312 (8mm) bolt.

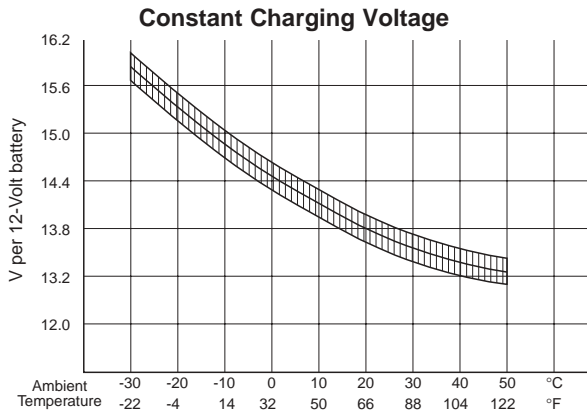
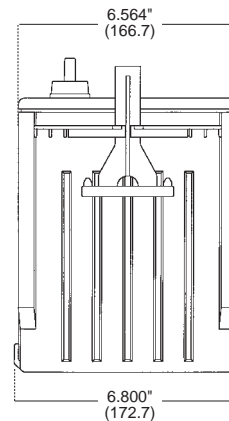
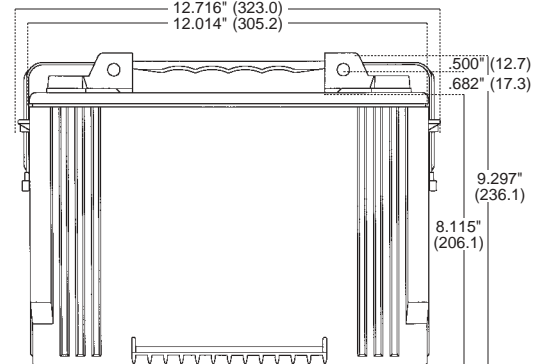
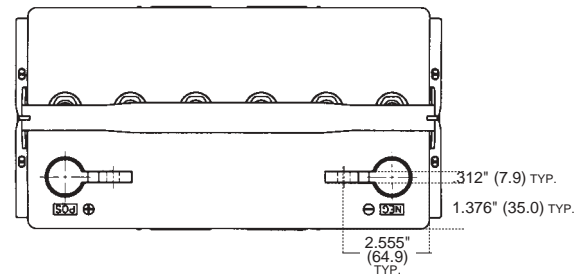
TERMINAL HARDWARE TORQUE:

75 ins./lb.

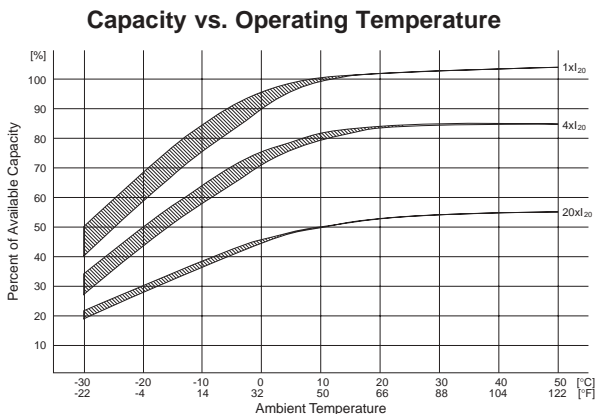
DISCHARGE PERFORMANCE AMPS CONSTANT CURRENT AMPERES @ 77°F (25°C) (OPERATING TIME TO END POINT VOLTAGE)

END POINT VOLTS PER CELL	60 MIN.	3 HRS.	5 HRS.	6 HRS.	8 HRS.	10 HRS.	12 HRS.	20 HRS.	24 HRS.	48 HRS.	72 HRS.	100 HRS.
1.90	46.8	19.5	12.8	11.0	8.57	7.05	6.02	3.84	3.26	1.73	1.18	0.87
1.85	51.2	21.2	13.8	11.9	9.30	7.64	6.52	4.15	3.52	1.87	1.28	0.94
1.80	54.9	22.2	14.4	12.3	9.60	7.87	6.70	4.25	3.61	1.91	1.31	0.96
1.75	58.6	23.1	14.9	12.7	9.90	8.09	6.88	4.35	3.69	1.95	1.34	0.98

ALL BATTERY DIMENSIONS SHOWN IN INCHES AND MILLIMETERS (IN PARENTHESIS).



Shown is the constant charging voltage in relation to the ambient temperature. The band width shows a tolerance of ± 30mV/cell. This constant voltage is suitable for continuous charging and cyclic operation. In a parallel stand-by mode, it always keeps the battery in a fully charged state; in a cyclic mode, it provides for rapid recharging and high cyclic performance.



Shown are the changes in capacity for a wider ambient temperature range, giving the available capacity as a percentage of the rated capacity at different ambient temperatures, for three different load examples, with uninterrupted discharge to the appropriate discharge cut-off voltage. The values for the upper edge of the curve were obtained from charging at an ambient temperature of +20°C (68°F) with a voltage limit of 2.3 V/cell. For the lower edge, charging was carried out at the specified ambient temperature. The curves show the behavior of the battery after a number of cycles.