



DOMINATOR[®]

GEL EXTREME DEEP-CYCLE



**SOLID GEL TECHNOLOGY
MAKES THE
DIFFERENCE!**

- Longer Lasting Power
- More Cycle Life
- Completely Maintenance-Free
- Corrosion-Free
- U.S. Department of Transportation Approved for Airline Travel*
- Faster Recharge

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



**MADE IN
USA**

CONVENTIONAL BATTERIES CAN LEAK ACID.



**DEKA
DOMINATOR
BATTERIES
WILL NOT
SPILL OR LEAK,
EVEN IF CASE IS
OVERTURNED,
PUNCTURED,
CRACKED OR
BROKEN.**



Deka® DOMINATOR® GEL EXTREME DEEP-CYCLE

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

DEKA DOMINATOR GEL EXTREME DEEP-CYCLE BATTERIES are designed to provide maximum power and life for deep cycle applications. The **DOMINATOR** contains electrolyte that is permanently locked in a thixotropic gel, instead of conventional messy liquid acid, offering many significant advantages over traditional liquid acid deep-cycle batteries. The **DOMINATOR** requires absolutely no maintenance, eliminating the need to check liquid levels or add water. The **DOMINATOR** also recharges substantially faster than conventional liquid acid batteries. Designed for convenient transportation, the **DOMINATOR** can be transported by air without the need for special containers. Because there is no liquid electrolyte to leak or spill out of the battery, the **DOMINATOR** can be easily installed in hard-to-reach locations. The **DOMINATOR** is also extremely shock resistant under the most demanding conditions. While most conventional liquid acid batteries self-discharge at 10 to 25%, the **DOMINATOR** has a self-discharge rate of less than 2% per month (at 77°F). This means that you can leave it for months without worrying about recharging. The gelled construction also eliminates vibration damage to plates.

Potential Applications for the Deka Dominator Gel Battery:

Communication Equipment	Engine Starting
Control Equipment	Radar Stations
Emergency Lighting	Radio Relay Stations
Emergency Power Supply Systems	Safety Lighting
Security Systems	Wheelchairs

FEATURE	BENEFIT
100% maintenance-free...	No need to check electrolyte levels. Install it and forget it.
Easy to install...	Convenient for hard-to-reach connection and hook-up.
Non-spillable by ICAO (International Commercial Airline Organization), IATA (International Airline Transport Association), and DOT (Department of Transportation) definitions*...	Transports easily by air without special containers.
Recombinant construction with gelled electrolyte...	Virtually eliminates dangerous spills, gasses and terminal corrosion.
Power-Perform® full-frame plates and specially formulated oxide...	For maximum durability, power and life.
Thick consistency of gelled electrolyte and tight-pack construction...	Prevents the damaging effects of vibration.
Self-discharge rate of less than 2% per month (at 77°F)...	Recharges even if left discharged for months.
Over 250 quality control checks...	Guarantees highest quality, performance and reliability.
Made in U.S.A....	Your assurance of quality.

THE DOMINATOR DIFFERENCE

- Longer running time and life than comparable wet cell batteries.
- No watering needed - totally maintenance-free.
- Spillproof - eliminates acid spills and terminal corrosion.
- Safe, convenient operation - gassing and sulfating are virtually eliminated.
- Flexibility - can be installed in any position (*upside-down not recommended*).
- Superior resistance to vibration damage.

Group No.	Type No.	Foot Notes	Volts	Minutes Discharged at**					Ampere Hour Capacity**					Approx. Wt. Lbs. (Kgs.)	Dimensions In (mm)				
				75 Amps	50 Amps	25 Amps	15 Amps	8 Amps	5 Amps	100 Hr. Rate	20 Hr. Rate	6 Hr. Rate	5 Hr. Rate		3 Hr. Rate	1 Hr. Rate	L	W	H
U1	8GU1	4,38,39,Y	12	5	12	47	90	190	325	36.0	31.6	28.0	26.8	25.5	21.0	23.4 (10.6)	7½(197)	5½(130)	7¼(184)
	8GU1H	4,17,38,39,Y	12	5	12	47	90	190	325	36.0	31.6	28.0	26.8	25.5	21.0	23.4 (10.6)	8½(211)	5½(130)	7¼(184)
22NF	8G22NF	4,38,39,G	12	13	27	82	157	330	557	58.0	51.0	43.6	43.2	39.9	31.8	37.0 (16.8)	9¼(238)	5½(140)	9¼(235)
	8G40C	4,38,39,C	12	11	21	63	120	250	430	48.0	40.0	35.0	34.0	31.9	25.8	31.7 (14.4)	7¼(197)	6¼(168)	6¼(175)
24	8G24	4,17,38,39,G	12	33	57	140	245	500	845	84.5	73.6	64.5	63.0	59.3	48.5	52.0 (23.6)	10¼(276)	6¼(171)	9¼(251)
	8G24NH	4,38,39,G	12	33	57	140	245	500	845	84.5	73.6	64.5	63.0	59.3	48.5	52.0 (23.6)	10¼(260)	6¼(171)	9¼(251)
27	8G27	4,17,38,39,G	12	40	70	170	300	605	1000	99.0	88.0	76.0	72.0	69.9	57.0	62.7 (28.4)	12¼(324)	6¼(171)	9¼(251)
30H	8G30H	4,17,38,39,B	12	51	84	190	335	690	1160	108.0	97.6	85.2	80.5	78.6	64.5	69.5 (31.5)	12½(329)	6¼(171)	9¼(248)
31	8G31	4,17,38,39,X	12	51	84	190	335	690	1160	108.0	97.6	85.2	80.5	78.6	64.5	69.5 (31.5)	12½(329)	6¼(171)	9¼(238)
34R	8G34R	4,38,39,C	12	21	39	96	172	368	640	70.0	60.0	48.9	47.5	43.5	36.0	41.5 (18.8)	10¼(259)	6¼(169)	7 (178)
	GC2	8GGC2	4,38,39,U	6	92	155	375	680	1360	2200	198.0	180.0	155.0	147.0	136.0	99.0	68.4 (31.0)	10¼(260)	7¼(181)
	8G8VGC	4,U,*	8	75	120	270	500	1040	1800	160.0	140.0	117.0	114.0	107.0	90.5	69.5 (31.5)	10¼(260)	7¼(181)	10¼(276)
4D	8G4D	4,17	12	105	175	395	685	1385	2300	210.0	183.0	160.0	153.0	148.0	122.0	127.0 (57.5)	20¼(527)	8¼(216)	10(254)
8D	8G8D	4,17	12	135	220	500	890	1750	3000	265.0	225.0	198.0	188.0	182.0	150.0	157.0 (71.1)	20¼(527)	11(279)	10(254)

ALL RATINGS ARE AFTER 15 CYCLES AND CONFORM TO B.C.I. SPECIFICATIONS.
** NOMINAL

All batteries manufactured in polypropylene cases and covers except where noted.

IMPORTANT CHARGING INSTRUCTIONS: WARRANTY VOID IF OPENED OR IMPROPERLY CHARGED. Do not install in a sealed container. Constant under or overcharging will damage any battery and shorten its life! Use a good constant potential, voltage-regulated charger.

For 12-volt batteries, charge to at least 13.8 volts but no more than 14.6 volts at 77°F (25°C).

For 8-volt batteries, charge to at least 9.2 volts but no more than 9.7 volts at 77°F (25°C).

For 6-volt batteries, charge to at least 6.9 volts but no more than 7.3 volts at 77°F (25°C).

The open circuit voltage of a fully charged 12-volt battery is 12.8V at 77°F (25°C). However, as the battery charges, the building internal pressure (voltage) causes resistance to the charge. Therefore, the on-charge voltage must be higher (at least 13.8V) to overcome this internal pressure (voltage) during charging.

FOOTNOTES:

4 - Gray cover / Gray case

17 - Includes handle

38 - "Non-spillable" defined by DOT (Department of Transportation) definitions

39 - "Non Spillable" defined by ICAO (International Commercial Airline Organization) and IATA (International Airline Transport Association) definitions

* - 4D, 8D, 8G8VGC currently not classified as non-spillable

B - Flag terminal w/ 3/8" diameter hole (T876)

C - 1/4" x 20 copper insert terminal

G - Offset post w/ horizontal hole, stainless steel 5/16" bolt and hex nut (T881)

U - SAE post and vertical 5/16" NEG/POS stainless steel studs and hex nuts

X - 3/8" x 16 stainless steel stud posts

Y - Small L terminal with round holes

EAST PENN manufacturing co., inc.

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

Order Department Hotline: 610-682-4231

www.dekabatteries.com

E.P.M. Form No. 0908 Rev. 7/13 © 2013 by EPM Printed in U.S.A.

DISTRIBUTED BY:

All data subject to change without notice.
No part of this document may be copied or reproduced, electronically or mechanically, without written permission from the company.