

# Deka®

# 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 U.S.A.  
WITH U.S. AND  
IMPORTED MATERIALS



**CONVENTIONAL BATTERIES CAN LEAK ACID.**



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





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

FEATURE	BENEFIT
100% maintenance-free...	No need to check electrolyte levels. Install it and forget it.
Recombinant construction with gelled electrolyte...	Virtually eliminates dangerous spills, gasses and terminal corrosion.
Power-Perform <sup>®</sup> 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.

**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 liquid acid, offering many significant advantages over traditional lead acid batteries. The **DOMINATOR** requires no maintenance, eliminating the need to check liquid levels or add water and recharges substantially faster than lead 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, it can be easily installed in hard-to-reach locations. 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.

**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

Group No.	PART NO.	VOLTS	MINUTES DISCHARGED @						AMPERE HOUR CAPACITY @						MAXIMUM OVERALL DIMENSIONS						WEIGHT (LB.)	FOOTNOTES
			75	50	25	15	8	5	100 Hr.	20 Hr.	6 Hr.	5 Hr.	3 Hr.	1 Hr.	LENGTH		WIDTH		HEIGHT			
			Amps	Amps	Amps	Amps	Amps	Amps	Rate	Rate	Rate	Rate	Rate	Rate	in	mm	in	mm	in	mm		
U1	8GU1	12	5	12	47	90	190	325	36	31.6	28	26.8	25.5	21	7-3/4	197	5-1/8	130	7-1/4	184	23.5	4,34,38,39,44,Y
	8GU1H	12	5	12	47	90	190	325	36	31.6	28	26.8	25.5	21	8-5/16	211	5-1/8	130	7-1/4	184	23.5	4,17,34,38,39,44,Y
22NF	8G22NF	12	13	27	82	157	330	557	58	51	43.6	43.2	39.9	31.8	9	228	5-1/2	140	9-1/4	235	37.5	4,34,38,39,44,G
24M	8G24M	12	35	57	140	245	500	845	84.5	73.6	64.5	63	59.3	48.5	10-7/8	276	6-3/4	171	9-3/8	238	51.5	4,17,34,38,39,44,U
24	8G24	12	33	57	140	245	500	845	84.5	73.6	64.5	63	59.3	48.5	10-7/8	276	6-3/4	171	9-3/8	238	51.5	4,17,34,38,39,44,G
	8G24NH	12	33	57	140	245	500	845	84.5	73.6	64.5	63	59.3	48.5	10-1/4	260	6-3/4	171	9-3/8	238	51.5	4,34,38,39,44,G
	8G24SS	12	33	57	140	245	500	845	84.5	73.6	64.5	63	59.3	48.5	10-1/4	260	6-3/4	171	8-1/4	210	51.5	4,34,38,39,44,C
27M	8G27M	12	40	70	170	300	605	1000	99	88	76	72	69.9	57	12-3/4	324	6-3/4	171	9-3/8	238	62	4,17,34,38,39,44,U
27	8G27	12	40	70	170	300	605	1000	99	88	76	72	69.9	57	12-3/4	324	6-3/4	171	9-3/8	238	62	4,17,34,38,39,44,G
	8G27/T876	12	40	70	170	300	605	1000	99	88	76	72	69.9	57	12-3/4	324	6-3/4	171	9-1/4	235	62	4,17,34,38,39,44,B
30H	8G30H	12	51	84	190	335	690	1160	108	97.6	85.2	80.5	78.6	64.5	12-15/16	329	6-3/4	171	9-3/4	248	68.5	4,17,34,38,39,44,B
31M	8G31DTM	12	51	84	190	335	690	1160	108	97.6	85.2	80.5	78.6	64.5	12-15/16	329	6-3/4	171	9-3/8	238	68.5	4,16,17,34,38,39,44,A
31	8G31	12	51	84	190	335	690	1160	108	97.6	85.2	80.5	78.6	64.5	12-15/16	329	6-3/4	171	9-3/8	238	68.5	4,17,34,38,39,44,X
34R	8G34R	12	21	39	96	172	368	640	70	60	48.9	47.5	43.5	36	10-3/16	259	6-5/8	168	7	178	38.5	4,34,38,39,44,C
—	8G40C	12	11	21	63	120	250	430	48	40	35	34	31.9	25.8	7-3/4	197	6-5/8	168	6-7/8	175	31.5	4,34,38,39,44,C
4D	8G4D	12	105	175	395	685	1385	2300	210	183	160	153	148	122	20-3/4	527	8-1/2	216	10	254	127.5	4,17,34,38,39,44
8D	8G8D	12	135	220	500	890	1750	3000	265	225	198	188	182	150	20-3/4	527	11	279	10	254	157	4,17,34,38,39,44
GC2	8GGC2	6	92	155	375	680	1360	2200	198	180	155	147	136	99	10-1/4	260	7-1/8	181	10-7/8	276	69	4,34,38,39,44,U
GC8	8G8VGC	8	75	120	270	500	1040	1800	160	140	117	114	107	90.5	10-1/4	260	7-1/8	181	10-7/8	276	70	+4,34,44,U
5SHP	8G5SHP	12	53	90	218	406	835	1370	123	115	99.7	96.8	87.7	68.9	13-5/8	345	6-3/4	172	11	280	84.5	4,17,34,38,39,44
	8G5SHP876	12	53	90	218	406	835	1370	123	115	99.7	96.8	87.7	68.9	13-5/8	345	6-3/4	172	11-7/16	290	84.5	4,17,34,38,39,44,B

**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 made with polypropylene
- 16 - Dual Terminal Universal Design
- 17 - Includes handle
- 34 - Ratings after 15 cycles and conform to B.C.I. specifications
- 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
- 44 - Free replacement warranty is 3 months in full electric vehicle use
  - + - Does not meet DOT, ICAO, and IATA non-spillable definitions
  - A - Flush combination terminal w/ 5/16" stud and SAE post, hex nuts included
  - 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



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