



**The HME Battery Specialists**



Advanced design/manufacturing, including IPF® technology†, combine to make MK Battery's Sealed VRLA†† Gel Batteries the standard by which all other batteries are measured.

# GEL Batteries

## Gel General Specifications

Model	Voltage	Amp Hour (5 hrs.)*	Amp Hour (20 hrs.)*	Reserve Capacity @80°F	Weight Lbs. (Kgs.)	Length In. (mm)	Width In. (mm)	Total Height In. (mm)**
MU-1 SLD G	12	26.8	31.6	44	23.5 (11)	7.71 (196)	5.18 (132)	7.22 (183)
M40-12 SLD G	12	34.0	40.0	59	31.5 (14)	7.76 (197)	6.62 (168)	6.87 (175)
M22NF SLD G	12	43.2	51.0	77	37.5 (17)	8.99 (228)	5.47 (139)	9.24 (235)
M34 SLD G	12	47.5	60.0	90	38.5 (17)	10.20 (259)	6.65 (169)	7.05 (179)
M24 SLD G	12	63.0	73.6	132	51.5 (23)	10.20 (259)	6.56 (167)	9.24 (235)
M24 SLD G FT	12	63.0	73.6	132	51.5 (23)	10.20 (259)	6.80 (173)	8.24 (209)
M27 SLD G	12	72.0	88.0	160	62.0 (28)	12.83 (326)	6.56 (167)	9.30 (236)

\*Ampere hour capacity is a nominal rating. All ratings are after 15 cycles and conform to B.C.I. specifications. \*\*Includes Terminal. All data subject to change without notice.

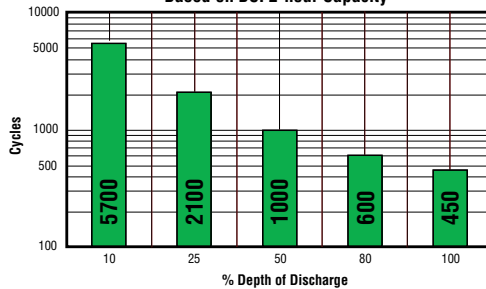
## MK Gel Sealed The Mobility Industry Standard

When you think quality Deep Cycle batteries, think of MK Battery. Our premium Sealed VRLA Gel batteries have been the number one choice for years by the leading wheelchair manufacturers. When it comes to performance and quality, MK Gel is the standard.

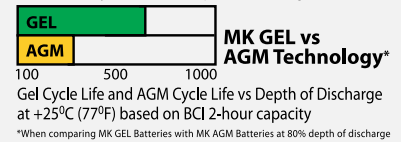
- Deep Cycle - Premium Sealed VRLA batteries capable of up to 1100 cycles for a typical HME user.
- Gelled/Suspended Electrolyte - No liquid of any kind; battery is completely sealed. Safe in any position.
- Maintenance Free - Water is never added; low liability.
- Travel & Ship Easily - MK batteries are F.A.A., IATA, and UPS approved. Others may not be.
- Safety - MK Sealed VRLA batteries have a special re-sealing vent system that prevents excessive internal pressure; thus, they cannot explode under normal conditions.



MK Gel Cycle Life vs Depth of Discharge at +25°C (77°F)  
Based on BCI 2-hour Capacity



Number of Cycles at 80% Depth of Discharge



MK Battery considers AGM batteries to be suitable for light duty mobility equipment only. AGM batteries used in more robust applications such as complex rehab mobility devices, where daily deep discharges are the norm, may void the warranty.



ISO 9001



## BENEFITS

- Sealed construction eliminates periodic watering, corrosive acid fumes and spills.
- Electrolyte will not stratify, no equalization charging required. Allows faster recharge.
- Increases durability and deep cycle ability for heavy demand applications.
- Less than 2% per month stand loss means little deterioration during transport and storage.
- Individual Plate Formation (IPF®) technology optimizes power capacity, cell consistency, and long-term reliability.
- Transports easily and safely by air.
- Quality construction ensures reliable performance.

## GEL SPECIFICATIONS

Voltage	12 volts nominal
Plate Alloy	Lead Calcium
Posts	Forged terminals and bushings
Container/Cover	Polypropylene
Charge/Absorption /Equalize	2.30 vpc to 2.43 vpc @ 77°F (25°C)
Float/Standby	2.25 vpc ± 0.01 77°F (25°C)
Electrolyte	Sulfuric acid thixotropic gel
Vent	Self sealing
Operating Temperature	Fully charged range: -76°F (-60°C) to 140°F (60°C)

**NON-SPILLABLE** by DOT (Department of Transportation), ICAO (International Commercial Airline Organization), and IATA (International Airline Transport Association, A67) definitions.

† Individual Plate Formation. †† Valve Regulated Lead Acid.

# Small Sealed VRLA Batteries

## Small Sealed VRLA General Specifications

Model	Voltage	Amp Hour (20 hrs.)*	Weight Lbs. (Kgs.)	Length In. (mm)	Width In. (mm)	Total Height In. (mm)**
ES4-6	6	4.5	2.00 (0.9)	2.76 (70)	1.85 (47)	4.13 (105)
ES12-6	6	12	4.18 (1.9)	5.94 (151)	1.97 (50)	3.90 (99)
ES1.2-12	12	1.2	1.27 (0.6)	3.82 (97)	1.69 (43)	2.32 (59)
ES3-12	12	3	2.86 (1.3)	5.28 (134)	2.64 (67)	2.58 (66)
ES5-12	12	5	4.18 (1.9)	3.54 (90)	2.76 (70)	4.21 (107)
ES7-12	12	7.2	5.28 (2.4)	5.94 (151)	2.56 (65)	4.02 (102)

\*Ampere hour capacity is a nominal rating. \*\*Includes Terminal. All data subject to change without notice.



MK Battery carries a complete line of replacement batteries for all types of medical device applications. If you need batteries for respiratory equipment, patient lifting, IV, or any other type of device, call MK Battery for our complete Medical Device Replacement Battery brochure.

# Light Duty AGM Batteries

## Light Duty AGM General Specifications

Model	Voltage	Amp Hour (20 hrs.)*	Weight Lbs. (Kgs.)	Length In. (mm)	Width In. (mm)	Total Height In. (mm)**
ES10-12S	12	10	6.89 (3.1)	5.94 (151)	2.56 (65)	4.67 (118)
ES12-12	12	12	8.69 (4.0)	5.94 (151)	3.86 (98)	3.86 (98)
ES14-12	12	14	9.68 (4.4)	5.94 (151)	3.86 (98)	3.94 (100)
M17-12 SLD M	12	18	13.20 (6.0)	7.13 (181)	2.99 (76)	6.57 (167)
ES20-12C	12	20	13.42 (6.1)	7.13 (181)	2.99 (76)	6.57 (167)
M12260 SLD M	12	26	20.46 (9.3)	6.54 (166)	6.89 (175)	4.92 (125)
MU-1 SLD A	12	32	23.00 (10.0)	8.31 (211)	5.18 (132)	7.22 (183)
M22NF SLD A	12	55	37.00 (17.0)	9.72 (247)	5.47 (139)	9.24 (235)
M50-12 SLD M	12	50	31.50 (14.3)	7.80 (198)	6.54 (166)	6.73 (171)

\*Ampere hour capacity is a nominal rating. \*\*Includes Terminal. All data subject to change without notice.

# Alkaline Batteries

Premium top-brand alkalines are available in sizes 9 volt, AA, AAA, C and D.



# Chargers & Test Equipment

## Charger Specifications

Model	Voltage	Amp	Description	Cord Options*
LS2606	12	6	For Sealed VRLA type or wet lead acid batteries	Alligator Clips
M-L-12090	24	8	Dual mode charger	05, 06, 08
M-L-13770	24	8	(World Charger) Dual mode for both Sealed VRLA type and wet lead acid batteries. Can be used with 115 or 230 AC voltage supply (switchable). Standard European power cord included.	05, 06, 08
M-D-EN0801	24	8	Automatic charger for all lead acid battery types - GEL/AGM/Wet	05, 06, 08
LS24/4	24	4	For Sealed VRLA type or wet lead acid batteries. Can be used with 115 or 230 AC voltage supply (switchable).	08

\*05 (round/square), 06 (square), 08 (round)



## Tester Specifications

Model	Description
E-100-20	Volt Meter, Digital 5-60 DC
E-100-10	Battery Load Tester, 12 Volt
MK70	Discharge tester with digital readout



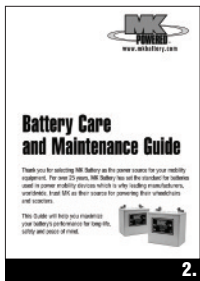


# MK Battery Supports the HME Industry

MK Battery is committed to helping our HME business partners succeed in today's challenging environment. We offer an array of training and merchandising tools specifically designed for the HME dealer. From our Accreditation Kit which features a host of technical training materials to our retail marketing pieces, MK Battery provides the tools you need.



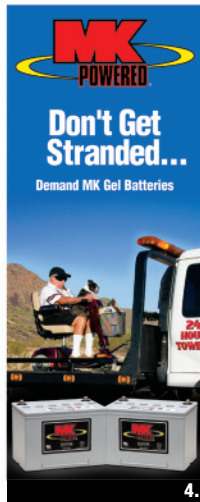
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1. Attractive "Recharge Every Night" reminder stickers are available to MK customers free of charge for placement on dispensed power mobility equipment. Authorized dealer decals also available.
2. The Battery Care & Maintenance Guide provides consumers with concise tips on proper care, charging, storage & maintenance and safety aspects associated with batteries used in their mobility equipment.
3. THE HME Guide is an attractive marketing and informational brochure designed to educate consumers on the proper selection and use of batteries for mobility equipment.
4. Full-color, retail display with takeaway insert. A visual accent to any dealer showroom with a clear message that quality batteries make a big difference in the performance of wheelchairs and scooters.
5. MK Battery offers an assortment of technical and educational support, specifically designed for the HME industry. In-service presentations and a host of other technical and training tools are available to authorized dealers.
6. MK Battery is committed to supporting the strategic industry initiatives at the national, state and local levels. Through educational programs, participation in global wheelchair standards committees and financial support, MK Battery is your partner in protecting the interests of the HME industry.

MK Battery is proud to be members of: AA HOMECARE | NRRTS | NCART | CAMPS | NEMED | RESNA | MAMES | PAMES | WAMES | PAMS

## YOUR PARTNER IN POWER

Products  
Service  
Customer Care  
Industry Support

MK Battery is one of the world's largest specialty Sealed VRLA, deep-cycle battery suppliers. Mobility manufacturers and HME suppliers know that our mission to supply the highest quality battery products to the mobility industry has made us the supplier of choice.

MK Battery markets the highest quality batteries available. Extended cycle life and high capacity sealed batteries are MK's hallmark. This means greater service life and performance for your customers. Our ongoing R&D efforts ensure you the most effective technology to meet your unique requirements.

MK Battery ships fresh inventory fast, often within 24 hours, from a stock of more than 100,000 batteries in multiple distribution centers throughout the world and assists our customers with proper spent battery disposal thru EPA permitted smelters. (Please note that violation of hazardous waste disposal laws can place heavy penalties on offenders).

Educational literature. Training videos. Lobbying information for reimbursement. No direct sales. These are some of the things that set MK Battery apart from other battery sellers. MK supports manufacturers, HME suppliers, and consumers in their need for applicable battery information. We have worked to further the application of new technology for the continued improvement of mobility through groups, such as the ANSI/RESNA Wheelchair Standard Committee. With MK Battery, you know that you can expect our total commitment to keep you at the forefront of new technology and to provide the greatest value in power.



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