

12Volt

45ah @3hr
60ah @20hr

VRLA AGM-GEL / Non Spilable / Maintenance Free

The **DMF Series** is engineered to deliver superior performance for your low-speed electric vehicles. By combining **AGM (Absorbed Glass Mat)** and **GEL (Fumed Silica)** technologies with our latest innovative designs, we've created a battery that offers increased power, extended service life, and exceptional reliability. This valve-regulated, sealed design ensures a **100% maintenance-free** motive power solution. Have the confidence of knowing your forklift, golf cart, sweeper, or wheelchair will keep moving longer.



SPECIFICATION

Nominal Voltage 12V (6 cells)
Nominal Capacity

20-HR	10-HR	5-HR	3-HR	2-HR
60Ah	54Ah	49Ah	45Ah	40Ah

Approximate Net Weight 12,8 kgr (28.21 lbs)

Internal Resistance (approx.) < 11 milliohms

CHARGER VOLTAGE SETTINGS (@ 77°F/25°C)

System Voltage	12	24	36	48
Max.Charging Current (A)	0.2 x C3			
Equilize Charging Voltage	14.7	29.4	44.1	58.8
Standby Charging Voltage	13.7	27.4	41.1	54.8

Terminal M5-Φ11.8

Operating Temp. Range -25°C to 55°C (-13°F to 131°F)

Recom. Operating temp. 15°C to 25°C (59°F to 77°F)

Self Discharge

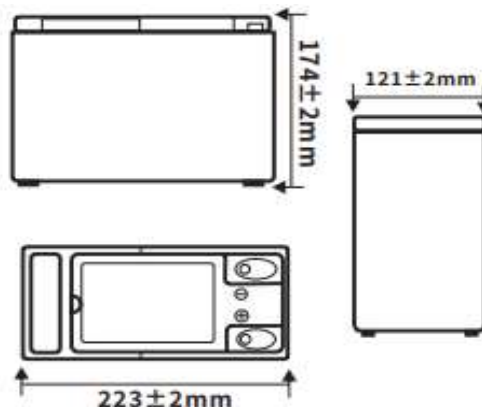
1 month	97%
3 months	90%
6 months	80%

AEG DMF series's self discharge is <3%/month at 20°C (68°F)

The Storage period may up to 6 months at 20°C (68°F) and then a freshening charge is required

Case and cover A.B.S. , UL94-VD (optional)

DIMENSIONS (mm)



APPLICATION

A whole range of EV applications including but not limited to:



E-scooter



Electric Tricycle

FEATURE

- Anti-vibration effect: adopting enhanced vibration-resistance design, battery can be used in low speed electric vehicle without a shock proof system.
- Good recovery performance: adopting the unique formula of active materials, the battery is resistance to deep discharging and has good recovery performance
- Excellent big current discharge performance: adopting low resistance material, the inner resistance is smaller
- Low/High temperature resistance: suitable for indoor and outdoor use in varies environment.
- Patented nanometer level fumed silica gel electrolyte
- Strict quality control manufacturing processes, ISO9001 approve
- IEC, CE, RoHS, ISO9001,ISO14001

DMF Series
Motive Battery

6-DMF-45

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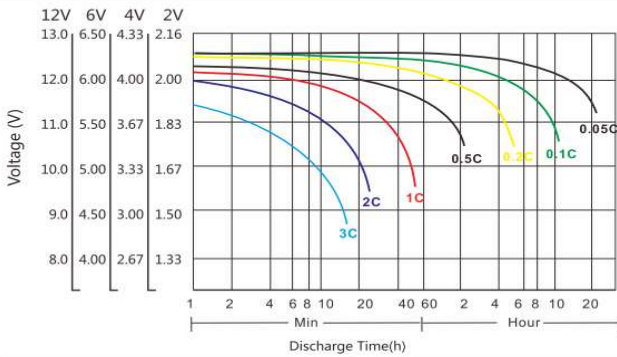
AEG
MOTIVE ENERGY

Product Features

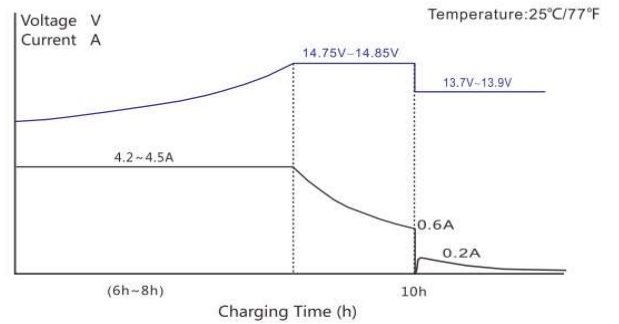


Electrical Characteristics

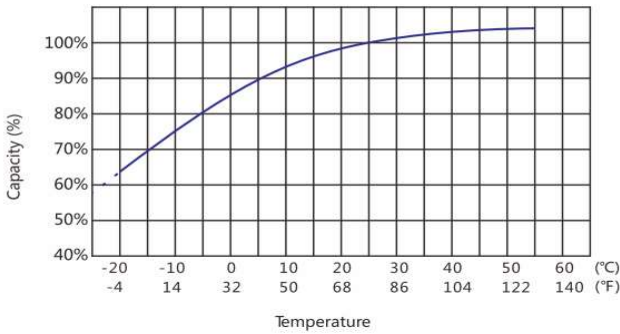
Discharge Characteristics(25°C)



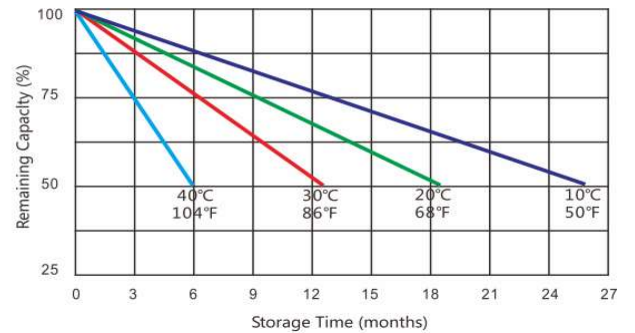
Charging Characteristics(25°C)



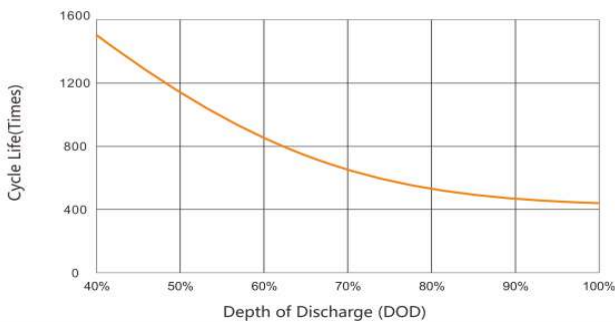
Capacity vs Temperature



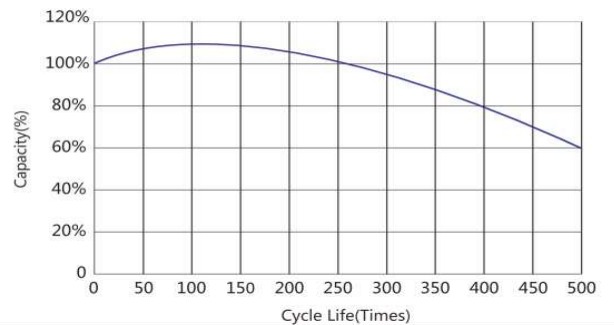
Self-discharge vs Time



Cycle Life vs Depth of Discharge



Cycle Life vs Remaining Capacity@25°C(77°F)



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