

# mOLL start|stop

*Optimal for  
Start-Stop  
application*



*Perfect  
solution for  
Micro Hybrid*



**NEW!**

*Premium Quality  
Made in Germany*

# MOLL start|stop

## MOLL EFB technology

### MOLL start|stop

The latest developed lead-acid battery. Optimal for Start-Stop application.

- cyclic lifetime more than tripled\*
- highest thermal stability (for installation in engine compartment)
- for vehicles with many electric consumers
- spill proof

#### Test Winner!

Best of all tested Start-Stop batteries in the market!  
Also the Stiftung Warentest confirmed in 2012: "Best of all tested start-stop batteries in the market."

**MOLL EFB**  
(Enhanced Flooded Battery)

**MOLL Premium Quality**  
**for Start-Stop**  
**and Micro Hybrid**  
**applications.**



Tested in ADAC-Test EFB 82070, 12V, 650A (EN)



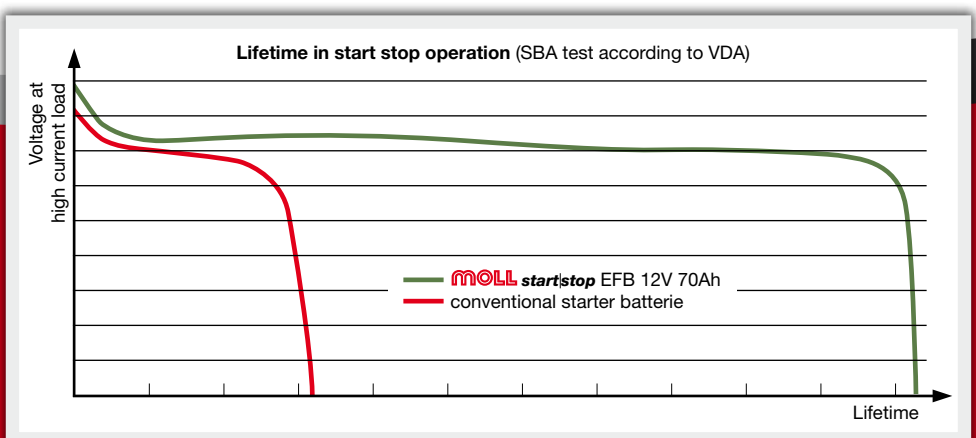
**MOLL batteries with EFB and AGM technology** are the perfect choice for Start-Stop applications, supporting ideally the fuel-saving turn-off and re-start of the engine as well as other functions that contribute to reducing CO<sub>2</sub> emissions. In fact they were particularly designed to meet these special requirements of the automobile industry. This know-how has made MOLL batteries a premium product in which many renowned car makers such as AUDI, Daimler, PORSCHE, ŠKODA, VW etc. have placed their trust for many years now.

#### Two technologies – where apply them optimally?

**MOLL batteries in EFB technology** combine the advantages and robustness of the classic lead acid battery with excellent performance at high currents and more than triple cyclic lifetime of a normal battery. EFB batteries are ideal for application in vehicles with Start-Stop/Micro

Hybrid technology and vehicles with many electric consumers. The good thermic stability makes this battery type the favorite for the installation in the engine compartment, but also for usage in areas with hot climate.

**MOLL batteries in AGM technology** meet the highest requirements in Start-Stop/Micro Hybrid applications. Their cutting-edge technology give AGM batteries a cyclic lifetime that is even longer than that of EFB batteries. AGM technology is of particular advantage when it comes to special applications, e.g. in taxis, or in vehicles where the battery is especially challenged by many electric consumers with high current demand (park heating, comfortable infotainment, windshield heating, or usage as stationary battery in industrial applications). As the acid is entirely absorbed by a glass mat, MOLL's AGM battery is absolutely leakage-proof in all installation places and even when the box is damaged.



\* in comparison to conventional starter batteries



# MOLL AGM technology

## mOLL start|stop plus

The AGM Start-Stop battery for highest requirements.

- cyclic lifetime much more than tripled\*
- extreme power performance
- for high number of electric consumers
- absolutely leak proof



**MOLL AGM**  
(Absorbent Glass Mat)

Comparison of MOLL starter batteries. The ideal battery for each application.

### MOLL starter batteries

#### Performance parameters and possible applications

*Best battery in the test!*



**mOLL start|stop** EFB technology | **mOLL start|stop plus** AGM technology | **mOLL m3 plus** K2 double lid | **mOLL Kamina start**

Parameter	mOLL start stop (EFB)	mOLL start stop plus (AGM)	mOLL m3 plus (K2)	mOLL Kamina start
Recuperation	████████	████████	□□□□□□	□□□□□□
Start performance	████████	████████	□□□□□□	□□□□□□
Capacity	████████	████████	□□□□□□	□□□□□□
Maintenance free acc. EN	████████	████████	□□□□□□	□□□□□□
Cyclic lifetime	> 300%	> 350%	130%	100%
ELI (electrolyte level indicator)	yes	not required	yes	no
Central degassing	yes	yes	yes	yes
Leak protection	████████	████████	□□□□□□	□□□□□□
Hot place of installation	████████	□□□□□□	□□□□□□	□□□□□□
Application	Vehicles with Start-Stop system	Vehicles with Start-Stop system and increased demands	Vehicles with many electric consumers / diesel engines	Vehicles with rather few electric consumers
Car	████████	████████	████████	████████
Taxi	████████	████████	████████	████████
Special Vehicles	████████	████████	████████	████████
Construction vehicles	████████	████████	████████	████████
Off Road	████████	████████	████████	████████
Mobile homes	████████	████████	████████	████████
Motor boats	████████	████████	████████	████████

### MOLL start|stop plus

with AGM technology

sealed – leakage proof – long lifetime – ideal for Start-Stop and Micro Hybrid applications

Type no. MOLL	KAMINA central gas venting system	vibration resistance level	wet and charged	hold-down configuration	Terminal assembly	Terminals	Capacity Ah (20h)	CCA A (EN)	Maximum external dimensions (mm)		
									length	width	height
81060	•	3	•	B13	0	1	60	640	246	175	190
81070	•	3	•	B13	0	1	70	760	278	175	190
81095	•	3	•	B13	0	1	95	850	353	175	190

### MOLL start|stop

with EFB technology

high thermic stability – K2 double lid – long lifetime - ideal for Start-Stop and Micro Hybrid

Type no. MOLL	Type no. ETN	KAMINA central gas venting system	vibration resistance level	wet and charged	hold-down configuration	Terminal assembly	Terminals	Capacity Ah (20h)	CCA A (EN)	Maximum external dimensions (mm)		
										length	width	height
82060	560 E00 064	•	3	•	B13	0	1	60	640	246	175	190
82065	565 E00 068	•	3	•	B13	0	1	65	680	278	175	175
82070	570 E00 076	•	3	•	B13	0	1	70	760	278	175	190
82075	575 E00 076	•	3	•	B13	0	1	75	760	315	175	175
82080	580 E00 080	•	3	•	B13	0	1	80	800	315	175	190
82095	595 E00 090	•	3	•	B13	0	1	95	900	353	175	190

To ensure environmental protection, MOLL always produces according to the latest ecological standards. All resources are used with great environmental care. MOLL takes back old batteries and guarantees recycling.

Quality management according to ISO TS 16949  
Environmental management system according to ISO 14001:2004  
Energy management system according to ISO 50001:2011



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