

CONTACT SALES

HYUNDAI corporation

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Automotive Battery Technology

HYUNDAI

ENERCELL is a highly reliable automotive battery that satisfies car lovers all over the world under any circumstances. The internal rust-free calcium metal gives you the excellent heat resistance and strong immunity against any drastic temperamental changes. It is a maintenance free product that needs no refilling of the electrolytic solutions. Now, the new era of the automotive batteries begins with HYUNDAI ENERCELL.

Stable Engine Operation

We succeeded in promoting the charging/discharging efficiency and the product's lifespan by employing the lower resistant super-polymer separator and the built-in casting terminal called COS. Due to the expanded calcium metal, more solutions can be stored than ever. You can find stronger performance and steadier engine operation in "HYUNDAI ENERCELL".

Maintenance Free

HYUNDAI ENERCELL has a significantly longer lifespan because the calcium-based compound metal reduces the use of electrolytic solutions and minimizes self-discharge. It maintains a stable performance without ever refilling the solutions throughout its entire lifespan.

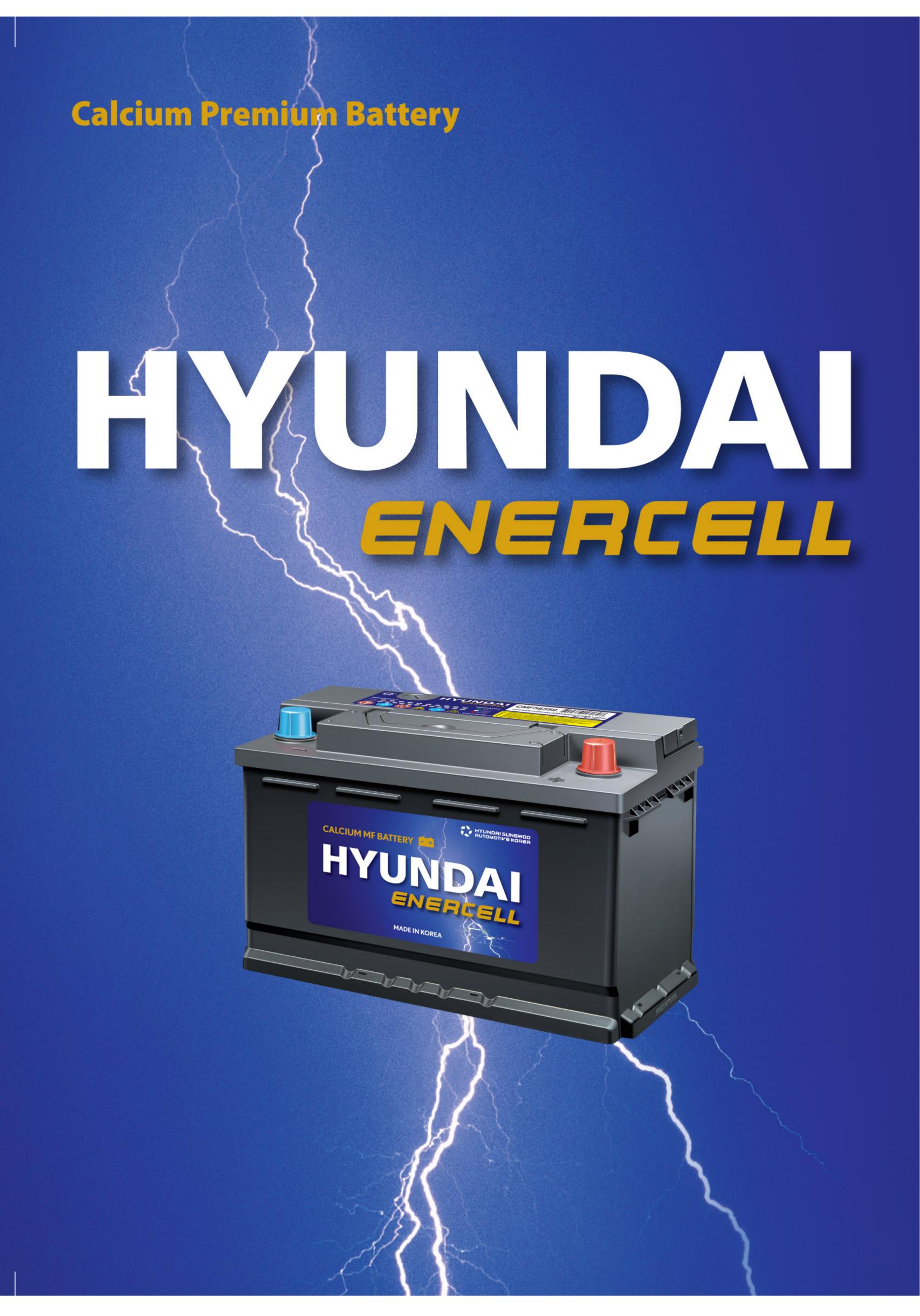
Built-in Indicator

The built-in indicator lets you know the remainder and condition of the electrolytic solution with an easy self-inspection.

Easy-Carry Handle

The built-in handle makes it easy to carry around during tuning or changing.

MADE IN KOREA





Company Profile

- Corporate Name: Hyundai Sungwoo Solite Co., Ltd.
- Core Business: Battery (automobile, industrial, agricultural and electric vehicle) manufacture, sales (domestic, overseas)

History

1979	FEB	Kyungwon Industry Co., Ltd, founded		
1981	FEB	Appointed as an official supplier of Hyundai Motor Company		
1983	ОСТ	KS approval of fixed lead battery		
1987	FEB	Awarded for reaching \$ 10 million in export		
1988	DEC	Completion of Osan Battery Plant		
1992	AUG	Central Technology Research Center founded		
1993	NOV	Cooperative development of electric automobiles (technology affiliation with OVONICS)		
1994	NOV	Achieved IS09002 certification		
1994	DEC	Achieved UL certification of covered lead battery		
1996	MAY	Achieved KS certification of covered 1 fixed lead battery		
1996	DEC	Achieved ISO9001 certification by KFQ		
1997	NOV	Completion of Gyeongju Battery plant		
2000	OCT	Achieved QS9000 certification by KFQ		
2000	OCT	QS9000 certification by KFQ		
2003	NOV	Achieved ISO/TS16949 & ISO14001 certification by SGS		
2007	JAN	Expansion of Gyeongju Battery Plant and Research Center		
2009	JAN	Company name changed to Sungwoo Automotive Co., Ltd.		
2012	APR	Production Capacity expansion completed at Gyeongju Battery Plant		
2013	MAY	Company name changed to Hyundai Sungwoo Automotive Korea Co.,Ltd.		
2009 2012	JAN APR	Company name changed to Sungwoo Automotive Co., Ltd. Production Capacity expansion completed at Gyeongju Battery Plant		

Contact

Head Office & Plants

(Head Office) Sungwoo Auto Bldg., 609, Bongeunsa-ro, Gangnam-gu, Seoul 135-873, Korea / TEL 82-2-2189-0932 FAX 82-2-2189-0940 (Gyeongju Plant) 1075-1, Yongmyeong-ri, Geoncheon-eup, Gyeongju-si, Gyeongbuk / Tel.82-54-750-7114 Fax.82-54-751-7232

• Quality Certification: ISO9001, UL(MH18360), QS9000, ISO/TS16949

Environmental Certification: ISO14001
Sales Department: 82-2-2189-0932
Quality Department: 82-54-750-7150

Global Roadmap

1st STEP	Technological Innovation	High-tech lead acid battery, Valve regulated gel type stationary battery for industry, Advanced automotive lead acid battery
2nd STEP	Prior Occupation of Global Market	Special (military) battery, Battery for energy storage
3rd STEP	Global Maker	Fuel Cell, Alternative energy

The Best Batteries with Better Performance and a Longer Lifespan





Heat-Sealed Cover & Integrated Handle

Gas & liquid separation by dual structure prevents leakage.



A Hydrometer (Indicator)

Battery conditions can be easily checked.



3 Frame Arrester

Structure of separation of gas and liquid.

Minimize acid-leakage.

Ensure safety of explosion.



4 Centered Cast on

Strong composition of positive and negative plates, separators and strap reduces lever action movement resulting from road shock.



Envelope Separators

Application of high density active material maximizes durability and life span. Excellent starting performance even in cold region.



6 Lead-Calcium Grids

Application of Pb-Ca-Sn alloy ensures complete maintenance free performance of minimum selfdischarge and leakage.

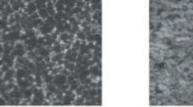


Containe

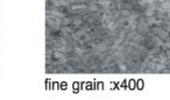
Inside the case, plate up-holder density tightens the plates even at bad road



▶Terminal Structure

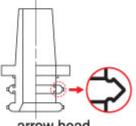


fine grain :x100



▶Terminal Shape





saw tooth arrow head
Apply high strength forged bushing

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