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BATTERY RANGE FOR ALL APPLICATIONS

LIGHTING

- Auxiliary Lighting
- Beacons
- Daytime Running Lights
- Easyconn
- Foglights
- Headlights
- LED Lighting
- Rear Lighting
- Signal Lighting
- Side Marker Lights
- Work Lights

ELECTRICS

- Alternators
- Flasher Units
- Horns
- Mirrors
- Plugs & Sockets
- Relays
- Starters

ELECTRONICS

- Actuators
- Air Inlet Sensors
- Bulb Failure Units
- EGR Valves
- Ignition Coils
- Intelligent Battery -Sensors (IBS)
- Oxygen Sensors
- Position Sensors
- Temperature Sensors
- Wheel Speed Sensors

THERMAL MANAGEMENT

- Compressors
- Condensers
- Evaporators
- Filter Dryers
- Header Tanks
- Heater Cores
- Intercoolers
- Oil Coolers
- Radiators
- Visco® Fans
- Water Pumps

FILTERS

- Air Filters
- Cabin Filters
- Fuel Filters
- Oil Filters

CONSUMABLES

- Batteries
- Bulbs
- Wiper Blades

GARAGE EQUIPMENT

- Advanced Driver Assist Systems (ADAS)
- Calibration Tools
- Diagnostics Solutions
- Technical Data

Better fuel economy, greater comfort, improved safety

Official legislation for reduced CO_2 emissions and specific requirements for safety-critical systems both demand constant monitoring of the energy supply to a wide range of mechatronic and electronic loads to ensure efficiency is maintained. Micro-hybrid vehicles fitted with Start/Stop and coasting functions require smart energy management to guarantee reliable and stable operation of the vehicle electric system. This includes regulating the power flow of the generator, the electric loads, the energy storage system and the transducer that ensure the starting ability and availability of vehicle functions. Aspects such as energy-saving operation and comfort are important in this context.

Ensuring the stability of the power supply to all mechatronic components and electric loads demands a balancing of energy consumption and power resources within the energy equalisation system. HELLA's energy management products help to guarantee the best possible coordination of available and required capacity. Alongside energy management components for today's conventional electric vehicle system, HELLA also supplies custom solutions for new generations of vehicles. These products cover both high voltage current sensors, intelligent battery sensors and high-performance DC-DC converters as well as battery management systems for lithium-ion batteries.

Automotive

HELLA batteries are built to the very highest specification to cope with today's automotive electrical demands. With three tiers the HELLA automotive range now has a battery to suit every application and budget whilst providing premium quality at a competitive price.

Supreme

- For vehicles with very high performance demands.
- Perfect for use with diesel engines.
- Ideal for vehicles with a large number of electrical devices.
- Long service life.

Premium

- For vehicles of all classes.
- Best selling product on the market.
- Optimised proven performance.
- Long service life.

Classic

- For smaller and older vehicles.
- Allows cost effective maintenance.
- Solid and reliable performance.
- Long service life.

AGM

- Up to 50% more starting power.
- Ideal for Start/Stop functionality.
- Cycling capability.
- Sealed Maintenance free.

AGM

The HELLA AGM battery features even higher cyclic stability and recharges more quickly than conventional lead-acid batteries. These characteristics are essential, especially when it comes to advanced systems which employ regenerative braking and other fuel-saving technologies.

What is AGM?

AGM battery technology has been around for over 30 years but is now the most popular battery for vehicle manufacturers since the advent of Start/Stop engines, they are also used for applications such as Marine, RV, Solar, Audio, Power Sports and Stand-By Power.

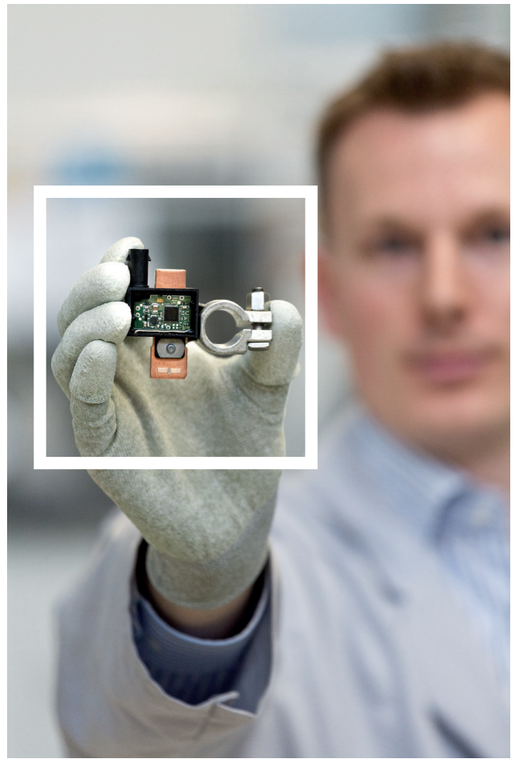
The use of AGM will be the fastest growing replacement battery in the future as the OE car manufacturers are already using in over 70% of new builds with this number predicted to rise to 92% by 2020. Since the introduction in 2004 of stop start engines, the growth is unprecedented . The replacement markets will follow and the SLI (starting, lighting, ignition) battery will continue to shrink. Specialist intelligent chargers are also available now alongside the equipment to test and safely replace this type of battery.

INTELLIGENT BATTERY SENSORS (IBS)

A defective battery sensor can make for considerable confusion in vehicle systems and lengthy troubleshooting in the garage, particularly when the Start/Stop system fails because the control unit receives incorrect information. That is why HELLA has now incorporated IBS into the replacement parts product range.

HELLA is a leading innovator in Intelligent Battery Sensor technology, with its products being used by a number of vehicle manufacturers worldwide; therefore, the IBS range conforms to exacting OE specifications and is adapted to suit individual applications. The IBS assumes a key role in successful energy management: it measures the current, voltage and temperature directly at the battery.

By producing data on the state of charge, health and function, the IBS enables the engine to reduce CO_2 emissions. In addition, the sensor can help reduce the risk of a breakdown caused by a weak battery. Offering flexibility for different cable variants and integration solutions, it is compact and currently supports a wide variety of applications, making it a cost-effective option.



Commercial

Whatever the application, HELLA commercial vehicle batteries are built specifically to power fleets. From trucks to vans, long distance coaches, buses, fire engines, combine harvesters and construction vehicles; our unrivalled range will help get the job done with less downtime which in turn reduces costs.

Supreme

- Extreme vibration resistance.
- Exceeds EN4 Super Heavy Duty requirements.
- Designed for high performance commercial vehicles with large power demands.

Premium

- Latest OE technology.
- Meets EN3 vibration resistance requirements.
- Vibration resistant.
- For high performance vehicles with standard power demands.

Classic

- Designed for standard commercial vehicles.
- Ideal for vehicles with lower energy requirements.
- Meets EN2 vibration and resistance requirements.

Leisure

The HELLA flooded leisure and marine range perfectly fits the bill if you want a well built, quality battery to suit your leisure or marine application.

Leisure

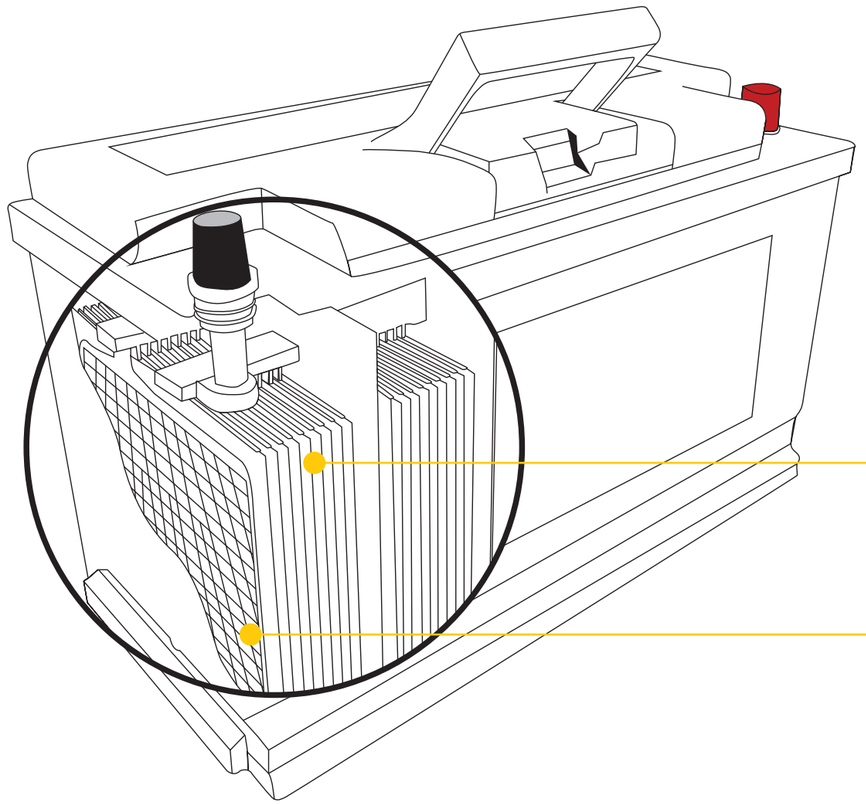
- Calcium technology.
- Enhanced performance.
- Latest OE technology.
- Sealed maintenance free.

Marine

- Calcium technology.
- 30% more starting power.
- Exceeds OE specification.
- Sealed maintenance free.

Leisure & Marine

- Superior ‘Dual Purpose’ Leisure and Marine battery
- Calcium technology
- 30% more starting power
- Exceeds OE specification.
- Sealed maintenance free



Durable, Reliable, Affordable.

Quality, durability and reliability sum up the HELLA range of automotive and commercial batteries. The HELLA range is built to the very highest specification to cope with today’s automotive electrical demands.

We have combined quality and affordability in a battery brand you can trust.

HELLA batteries provide extended life cycle through the Grid Protection Technology. Cutting-edge materials ensure the technology protects the grid until the end of the battery life and improves the battery performance. Ultra Micro-Fibres and special tissues increase plate durability by reducing the aging rate of active materials. The enveloped separators ensure for low electric resistance and each battery has an integrated computer design and reinforced container.

Compared to conventional batteries with expanded metal grids, HELLA batteries deliver longer life and stable power flow. They offer excellent corrosion resistance and mechanical performance as well as preventing grid growth and short circuits.

Range Specifications

Classic (Automotive)

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HC063	12	41	360	210	175	175	10.7
HC075	12	60	540	243	175	175	13.8
HC096	12	70	640	276	175	190	17.0
HC017	12	83	720	354	175	190	20.8

Premium (Automotive)

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HP002L	12	40	340	175	175	190	10.8
HP002R	12	40	300	175	175	190	10.8
HP005L	12	60	510	230	170	225	14.8
HP005R	12	60	510	230	170	225	14.8
HP009L	12	55	500	226	170	200	12.9
HP009R	12	55	500	226	170	200	12.9
HP012	12	45	400	210	175	190	11.0
HP012UR	12	52	470	210	175	190	11.8
HP015	12	40	340	245	135	200	10.5
HP017	12	90	720	354	175	175	21.2
HP018	12	88	640	354	175	190	21.4
HP019	12	95	800	354	175	190	21.6
HP020	12	110	920	393	175	190	25.8
HP027	12	60	540	243	175	190	14.2
HP037	12	36	320	245	135	200	11.0
HP038	12	36	320	245	135	200	10.5
HP048H	12	45	300	218	133	228	10.7
HP049H	12	45	300	218	133	228	10.7
HP053	12	45	330	234	128	220	10.7
HP054	12	35	300	196	127	223	9.0
HP054H	12	36	300	196	127	223	9.0
HP055	12	35	300	196	127	223	9.0
HP057	12	45	330	234	128	220	10.7
HP063	12	41	390	210	175	175	10.7
HP065	12	53	480	243	175	175	12.7
HP068	12	68	550	266	175	220	16.3
HP069	12	68	550	266	175	220	16.3
HP072T	12	70	600	266	175	220	20.7
HP075	12	60	540	243	175	175	13.8
HP077	12	45	390	210	175	190	11.0
HP078	12	56	480	243	175	190	13.8
HP085	12	43	360	210	175	175	11.3
HP096	12	70	640	278	175	190	17.0
HP096R	12	70	640	278	175	190	17.0
HP097	12	60	570	243	175	175	14.2
HP099	12	72	720	278	175	190	17.2
HP100	12	70	640	278	175	175	15.7
HP110	12	80	800	317	175	175	18.6
HP154	12	45	330	234	128	220	10.9
HP155	12	45	330	234	128	220	10.9
HP249H	12	91	740	302	175	225	20.6
HP250H	12	91	740	302	175	225	20.6

Supreme (Automotive)

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HS063	12	43	420	210	175	175	11.3
HS075	12	62	600	243	175	175	14.0
HS100	12	72	720	278	175	175	16.3
HS096	12	75	680	278	175	190	17.5
HS019	12	100	850	354	175	190	23.2

Start/Stop AGM/EFB

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HF057	12	45	AUX	234	128	220	13
HF014	12	55	AUX	230	170	225	15.1
HF027	12	60	680	242	175	190	16.8
HF096	12	70	760	278	175	190	19.5
HF068	12	75	720	266	175	220	19.6
HF069	12	75	720	266	175	220	19.6
HF115	12	80	800	315	175	175	21.9
HF017	12	95	850	353	175	190	24.9
HF020	12	105	950	393	175	190	29.2
HE027	12	60	560	242	175	190	15.6
HE100	12	65	650	278	175	175	16.9
HE096	12	70	650	278	175	190	18.9
HE110	12	75	730	315	175	175	19.6
HE115	12	80	730	315	175	190	21.8
HE017	12	95	900	353	175	190	23.4
HE020	12	110	950	393	175	190	28.2

Premium (U.S. Sizes)

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HP058L	12	60	560	242	175	175	13.0
HP058R	12	60	560	242	175	175	13.0
HP-78DT-630	12	70	630	260	179	201	16.1
HP31-1000	12	115	1000	330	171	237	24.7
HP75-550	12	60	550	230	179	185	14.0
HP78-630	12	70	630	260	179	185	15.8

Vintage (Automotive)

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HH279	12	60	500	490	110	220	16.5
HH291	12	57	470	250	168	221	14.0
HH404	6	83	395	216	170	183	8.5
HH421	6	57	270	174	169	218	7.5
HH451	6	185	500	413	174	220	18.7
HH501	6	92	290	227	172	221	9.5
HH511	6	112	350	257	172	221	10.5
HH521	6	123	390	291	173	221	13.0
HH531	6	138	450	319	173	222	14.0
HH541	6	154	480	348	173	222	16.0
HH713	6	265	700	372	181	370	32.9
HH722	6	190	530	422	176	260	26.0
HH733	6	190	530	422	176	243	25.0

Classic (Commercial)

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HC629	12	154	1000	513	223	223	41.0

Supreme (Commercial)

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HS612	12	140	900	513	185	215	37.4
HS629	12	170	1000	513	223	223	45.1
HS629UR	12	180	1000	513	223	223	46.4
HS632	12	225	1150	518	276	240	62.0

Premium (Commercial)

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HP612	12	140	760	513	185	215	35.7
HP616L	12	100	600	402	175	220	23.8
HP616R	12	100	600	402	175	220	23.8
HP620	12	143	1000	513	218	225	39.3
HP622	12	130	680	512	216	207	37.8
HP623	12	143	1000	513	223	223	38.2
HP624	12	210	1350	518	276	240	53.0
HP625	12	200	1050	518	276	240	53.6
HP629	12	170	1000	513	223	223	43.9
HP629UR	12	180	1000	513	223	223	43.9
HP630	12	110	760	513	175	209	32.3
HP632	12	225	1150	518	276	240	56.8
HP633	12	135	680	360	253	240	42.3
HP636	12	120	800	513	185	215	32.0
HP637	12	120	680	513	185	215	33.6
HP638	12	143	900	510	164	210	36.5
HP643	12	95	600	346	175	239	22.1
HP644	12	95	600	346	175	239	22.1
HP655	12	125	720	346	175	289	31.2
HP656	12	125	720	346	175	289	31.2
HP663	12	110	750	346	175	239	24.4
HP664	12	110	750	346	175	239	24.4
HP665	12	120	800	346	175	239	24.9
HP663FL	12	110	750	346	175	239	24.4
HP663H	12	110	750	346	175	239	24.4

Premium Garden Machinery

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HP895	12	32	310	205	132	185	7.6
HP896	12	32	310	205	132	185	7.6

Care & Maintenance

Ventilation:

During the charging process flooded/wet lead acid batteries release small amounts of gas. AGM and Gel batteries usually do not release gas but can if too much pressure builds up during charging. Batteries must be charged in a properly ventilated area.

Inspection:

- Keep the battery clean and corrosion free.
- If there is liquid on the top of an open top wet flooded battery, this may mean the battery is overfilled or has had a spillage.
- If liquid is on the top of an AGM or gel battery this could also mean the battery is being overcharged. The performance and lifespan will be reduced as a result.

Storage:

- Batteries should be fully charged before being put into storage. Rotate batteries held in stock using the first in, first out rule.
- Store in a dry, cool location, in the upright position.
- Disconnect from any equipment to eliminate parasitic loads that may discharge the battery.
- Monitor the specific gravity or voltage every 4-6 weeks and recharge if required.
- Any spillages should be neutralised with a baking soda solution.
- When batteries are taken out of storage, we advise to recharge before use.

Marine

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HM22MF	12	75	550	266	175	225	18.5
HM26MF	12	100	740	302	175	225	20.6

Leisure

Part No.	V	AH	CCA (EN)	L	W	H	Weight
HL22MF	12	75	NA	266	175	225	18.5
HL25MF	12	100	NA	302	175	225	18.5
HL26MF	12	105	NA	330	175	240	20.6

TECHNOLOGY WITH VISION.