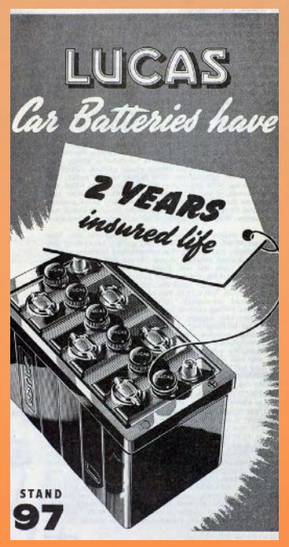
Lucas

BATTERY CATALOGUE TELECOM & BACKUP 2022

OUR RANGE GOES FURTHER.

LUCAS BATTERIES. OUR HERITAGE.



Lucas is a great brand that has been growing its business for 140 years. It doesn't rely on its heritage, it grows with it. And it continues to grow. That's why it is the longest-established automotive and industrial solutions brand that has been in the market for the longest time.

Joseph Lucas, born in Birmingham in 1834, began marketing paraffin oil for household lamps in the 1860s and soon saw the potential to expand into the transport market.

In 1875 he opened a small workshop in Little King Street, Birmingham, UK, with 5 employees. In the early 20th century, Lucas expanded his product range and introduced his batteries to the market. On this page you can see some of the early promotional brochures. Of course, Lucas batteries have evolved with the times. In this catalogue, you will find the latest types and applications we offer.

LEAD BATTERIES

Maintenance-free lead-acid batteries (VRLA)

Valve-regulated lead-acid (VRLA) batteries are maintenance-free and can be divided into two categories according to the technology they use: - Valve-regulated lead-acid (VRLA) batteries are maintenance-free.
technology used:
- VRLA GEL
- VRLA AGM

Neither type requires water recharging, with the important advantage that maintenance requirements are reduced to inspection and cleaning. The electrolyte is fixed to the Gel or AGM and off-gassing is negligible, by a recombination process that actively prevents water decomposition.

VRLA GEL

LUCAS valve-regulated lead-acid (VRLA) batteries made of GEL construction are particularly robust and are used as standard in material handling, cleaning and mobility applications.
in material handling, cleaning and mobility applications. They are often used in light to medium applications due to their energy capacity and charging time.
charging time.

GEL

The LUCAS OPzS series offers a complete range of cells and batteries with tubular positive plate and liquid electrolyte in transparent casing designed for a service life of 1,500 cycles. They are therefore suitable for use in stand-by mode but also allow continuous charge and discharge cycling as in solar or wind power applications. Thanks to the high reliability and operational safety offered by this technology, the OPzS series is suitable for applications with the highest level of responsibility.

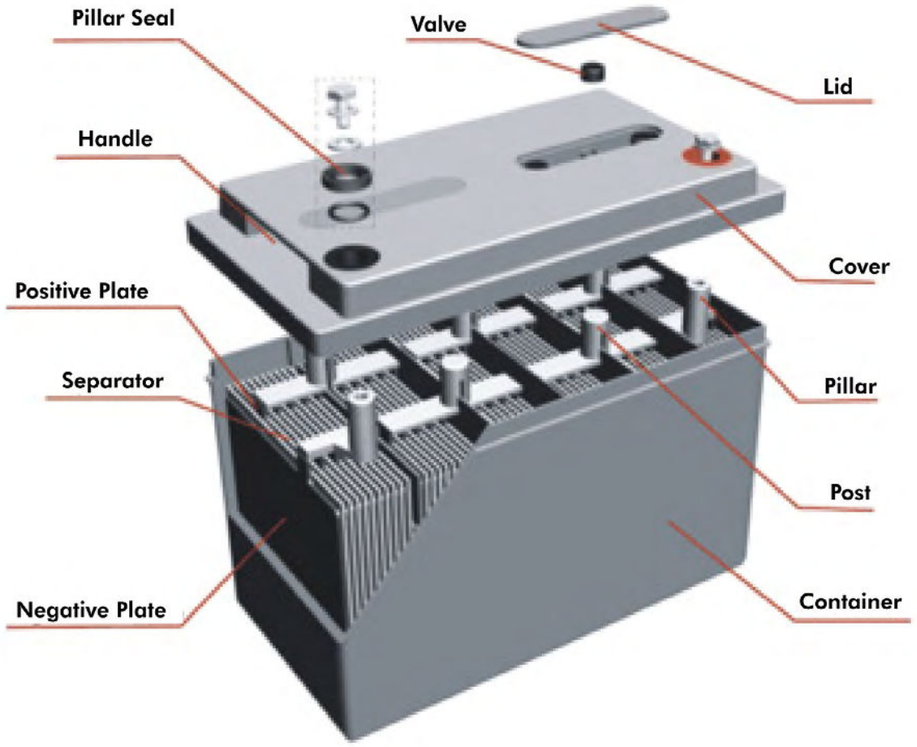
The LUCAS OPzV series combines the advantages of reinforced plate technology with the advantages of valve-regulated gel technology. The result is a maintenance-free series suitable for stand-by applications, but especially for applications with high cycling. It is therefore suitable for typical stationary battery applications such as telecommunications but also for stationary applications with higher cycling demands, such as domestic power supplies and emergency lighting.

The LUCAS SPzV series has been specially designed for photovoltaic generation installations. Its tubular positive plate design makes it particularly suitable for off-grid installations, as it offers a higher number of cycles. The ventilated lid technology allows these batteries to be maintenance-free and therefore no electrolyte level checks are required.

VRLA AGM

LUCAS valve-regulated lead-acid (VRLA) batteries manufactured with a GEL structure are particularly suitable for stationary applications, offering exceptional energy storage performance and high reliability performance. Within this range we offer standard, front-terminal, long-cycle battery designs and a specific range for high energy demanding applications.

AGM



LITHIUM BATTERIES

Li

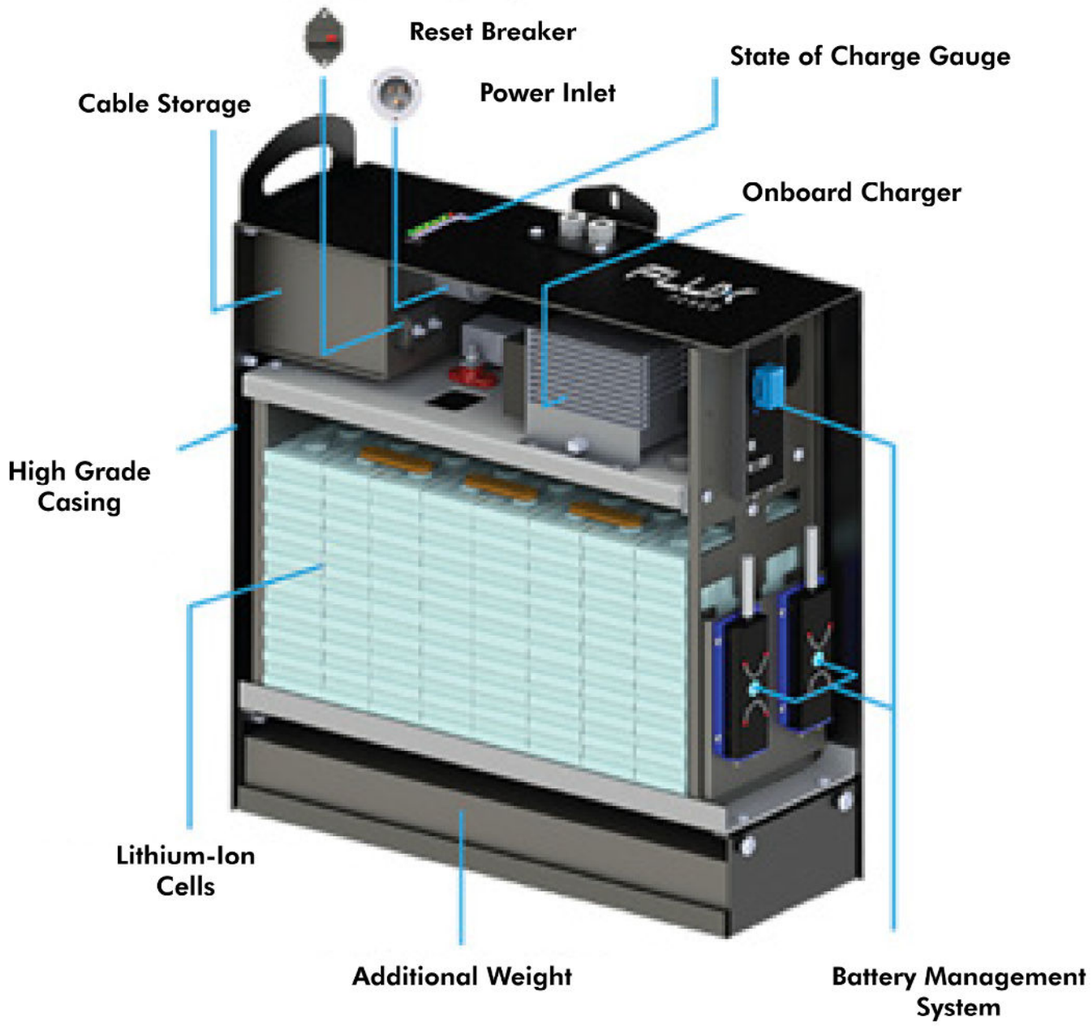
The lithium-ion battery system is an energy storage system based on electrochemical charge/discharge reactions that occur between a positive electrode (cathode) containing some lithium metal oxide and a negative electrode (anode) that is made of carbon material or intercalation compounds.

The electrodes are separated by porous polymeric materials that allow the flow of electrons and ions between them, and are immersed in an electrolyte composed of lithium salts (such as LiPF6) dissolved in organic liquids.

When the battery is charged, the lithium atoms at the cathode are converted into ions and migrate through the electrolyte to the carbon anode, where they combine with external electrons and are deposited between the carbon layers as lithium atoms. This process is reversed during discharge.

Lithium-ion batteries come in several different varieties, including
- Different cell shapes: cylindrical, prismatic, etc.
- Different electrochemicals, such as LiCo2, LiNCA, Li-NMC, LiFePO4, LiMn2O4, etc.
- Liquid electrolyte or polymer electrolyte.
- Different electrode thicknesses depending on the energy/power ratio.

The advantages of lithium batteries are several:
- Battery capacity is over 80% after charging and discharges under 100% DOD after 3,500 cycles.
- The lifetime of the battery is more than 10 years.
- Weight is only 25% of the equivalent lead-acid battery.
- Extensibility by parallel or series connection for higher capacity or voltage.
- Improved thermal and chemical stability compared to other batteries.
- Maintenance free.



Lucas

TELECOMMUNICATIONS

lucasautomotive.com

APPLICATIONS

TELECOMMUNICATIONS

The use of batteries in telecommunications installations is becoming increasingly widespread. In this sense, the LUCAS range provides all the solutions for telephony. Batteries for telecommunications are installed in order to back up communications systems when the power supply fails.

They must also withstand different temperature and humidity conditions, as well as direct sunlight, so they must be very resistant batteries with an adequate operating capacity.

Types of Batteries:

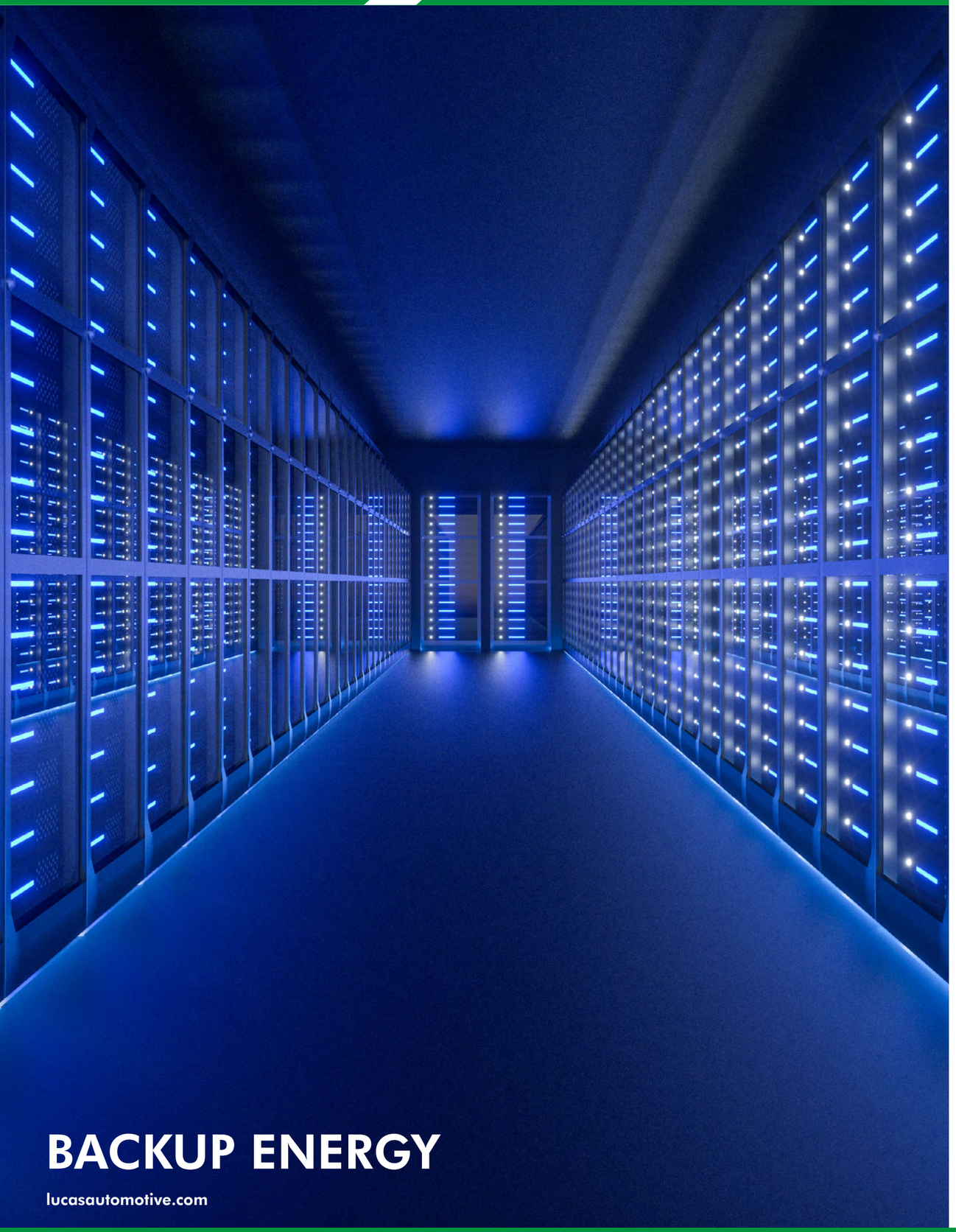
AGM

GEL

Li

OUR RANGE GOES FURTHER.

Lucas



BACKUP ENERGY

lucasautomotive.com

APPLICATIONS

UPS/SAI

ELECTRIC TOYS

CONTROL SYSTEMS

The LUCAS range of UPS / UPS batteries are rechargeable and due to their construction do not require ventilation and can be placed in any orientation. The UPS are equipped with an Intelligent Charger, which optimises faster recharging and helps to prolong the life of the battery.

These chargers check the status of the battery during the charging process, supply as much current as necessary and when the battery is full, reduce the current flow.

They can also be used in communications equipment control systems, facility control systems, etc.

Types of Batteries:

AGM

GEL

Li

OUR RANGE GOES FURTHER.

Lucas

ALARMS

lucasautomotive.com

APPLICATIONS

ALARMS

EMERGENCY LIGHTING

SIGNALS

Batteries for alarms and security equipment require a hermetic and maintenance-free type of battery (given that the location of the battery can be remote), as well as having a large number of life cycles at a high depth of discharge.

LUCAS has stationary batteries designed for applications in fire alarm systems, emergency lighting and any signalling system. These stationary batteries are constantly on charge to compensate for self-discharge, and are designed to withstand sporadic deep discharges.

Types of Batteries:

AGM **GEL**

OUR RANGE GOES FURTHER.

BackUp Energy Range

A RANGE TO SUIT ALL APPLICATIONS

Lucas **Premium**
Origin EUROPEAN UNION

LUCAS AGM

Lucas reference	Definition	V	C20 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 4,5AH/ 6V	6	4,5	70	47	100		F1		
	LUCAS PREMIUM 7,2AH/ 6V	6	7,2	151	34	94		F1		
	LUCAS PREMIUM 1,2AH/ 6V	6	1,2	151	51	94		F1		
	LUCAS PREMIUM 1,2AH/ 12V	12	1,2	97	43	52		F1		
	LUCAS PREMIUM 2,1AH/ 12V	12	2,1	178	35	60		F1		
	LUCAS PREMIUM 2,9AH/ 12V	12	2,9	79	56	99		F1		
	LUCAS PREMIUM 3.4AH/ 12V	12	3.4	178	67	60,5		F1		
	LUCAS PREMIUM 4,5AH/ 12V	12	4,5	90	70	101		F1		
	LUCAS PREMIUM 7AH/ 12V	12	7	151	65	99		F1		
	LUCAS PREMIUM 7,2AH/ 12V	12	7,2	151	65	94		F1		
	LUCAS PREMIUM 7,2AH/ 12V	12	7,2	151	65	94		F2		
	LUCAS PREMIUM 12AH/ 12V	12	12	151	98	95		F1		
	LUCAS PREMIUM 12AH/ 12V	12	12	151	98	95		F2		
	LUCAS PREMIUM 17AH/ 12V	12	17	181	77	167		F13		
	LUCAS PREMIUM 17AH/ 12V	12	18	181	77	167		F3		
	LUCAS PREMIUM 18AH/ 12V	12	24	165	176	125		F13		
	LUCAS PREMIUM 24AH/ 12V	12	26	165	176	125		F13		
	LUCAS PREMIUM 26AH/ 12V	12	35	195	130	159		F11		
	LUCAS PREMIUM 35AH/ 12V	12	38	197	165	170		F11		
	LUCAS PREMIUM 38AH/ 12V	12	45	197	165	170		F11		
	LUCAS PREMIUM 45AH/ 12V	12	55	229	138	210		F11		
	LUCAS PREMIUM 55AH/ 12V	12	65	350	166	179		F11		
	LUCAS PREMIUM 65AH/ 12V	12	78	260	169	210		F11		
	LUCAS PREMIUM 78AH/ 12V	12	82	350	167	180		F11		
	LUCAS PREMIUM 82AH/ 12V	12	107	328	172	222		F12		
	LUCAS PREMIUM 107AH/ 12V	12	118	328	177	222		F12		
	LUCAS PREMIUM 118AH/ 12V	12	158	483	170	240		F12		
	LUCAS PREMIUM 158AH/ 12V	12	208	522	240	223		F12		

LUCAS AGM LONG CYCLE

Lucas reference	Definition	V	C20 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 7AH/ 12V	12	7	151	65	94		F1		
	LUCAS PREMIUM 12AH/ 12V	12	12	151	98	95		F2		
	LUCAS PREMIUM 17AH/ 12V	12	17	181	77	167		F13		
	LUCAS PREMIUM 24AH/ 12V	12	24	166	175	125		F13		
	LUCAS PREMIUM 28AH/ 12V	12	28	165	125	175		F13		

LUCAS AGM FRONT TERMINAL

Lucas reference	Definition	V	C20 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 57AH/ 12V	12	57	277	106	222		F11		
	LUCAS PREMIUM 108AH/ 12V	12	108	508	111	236		F11		
	LUCAS PREMIUM 150AH/ 12V	12	150	551	110	288		F12		

LUCAS OPzV

Lucas reference	Definition	V	C20 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 204AH/ 2V	2	204	103	206	354				
	LUCAS PREMIUM 255AH/ 2V	2	255	124	206	354				
	LUCAS PREMIUM 306AH/ 2V	2	306	145	206	354				
	LUCAS PREMIUM 357AH/ 2V	2	357	124	206	471				
	LUCAS PREMIUM 429AH/ 2V	2	429	145	206	471				
	LUCAS PREMIUM 500AH/ 2V	2	500	166	206	471				
	LUCAS PREMIUM 612AH/ 2V	2	612	145	206	643				
	LUCAS PREMIUM 735AH/ 2V	2	735	210	254	471				
	LUCAS PREMIUM 816AH/ 2V	2	816	210	191	644				
	LUCAS PREMIUM 1020AH/ 2V	2	1020	210	233	646				
	LUCAS PREMIUM 1251AH/ 2V	2	1251	210	275	645				
	LUCAS PREMIUM 1530AH/ 2V	2	1530	210	275	796				
	LUCAS PREMIUM 2040AH/ 2V	2	2040	214	399	771				
	LUCAS PREMIUM 2550AH/ 2V	2	2550	214	487	769				
	LUCAS PREMIUM 3060AH/ 2V	2	3060	214	576	771				

LUCAS SPzV

Lucas reference	Definition	V	C20 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 203AH/ 6V	6	203	243	187,5	265		F14 (M8)		
	LUCAS PREMIUM 70AH/ 12V	12	70	260	169	210		F11 (M6)		
	LUCAS PREMIUM 93AH/ 12V	12	93	328	172	222		F12 (M8)		
	LUCAS PREMIUM 116AH/ 12V	12	116	407	177	225		F12 (M8)		
	LUCAS PREMIUM 131AH/ 12V	12	131	328	180	279,5		M8 Stehbolzin		
	LUCAS PREMIUM 232AH/ 12V	12	232	520	268	220		F12 (M8)		

LUCAS OPzS

Lucas reference	Definition	V	C10 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 107AH/ 2V	2	107	103	206	369				
	LUCAS PREMIUM 161AH/ 2V	2	161	103	206	369				
	LUCAS PREMIUM 215AH/ 2V	2	215	103	206	369				
	LUCAS PREMIUM 268AH/ 2V	2	268	124	206	369				
	LUCAS PREMIUM 322AH/ 2V	2	322	145	206	369				
	LUCAS PREMIUM 388AH/ 2V	2	388	124	206	485				
	LUCAS PREMIUM 465AH/ 2V	2	465	145	206	485				
	LUCAS PREMIUM 542AH/ 2V	2	542	166	206	485				
	LUCAS PREMIUM 656AH/ 2V	2	656	145	206	660				
	LUCAS PREMIUM 875AH/ 2V	2	875	210	191	660				
	LUCAS PREMIUM 1093AH/ 2V	2	1093	210	233	660				
	LUCAS PREMIUM 1312AH/ 2V	2	1312	210	275	660				
	LUCAS PREMIUM 1670AH/ 2V	2	1670	210	275	810				
	LUCAS PREMIUM 2227AH/ 2V	2	2227	212	397	792				
	LUCAS PREMIUM 2783AH/ 2V	2	2783	212	487	792				
	LUCAS PREMIUM 3340AH/ 2V	2	3340	212	576	792				
	LUCAS PREMIUM 161AH/ 6V	6	161	272	205	347				
	LUCAS PREMIUM 215AH/ 6V	6	215	272	205	347				
	LUCAS PREMIUM 268AH/ 6V	6	268	380	205	347				
	LUCAS PREMIUM 322AH/ 6V	6	322	380	205	347				
	LUCAS PREMIUM 54AH/ 12V	12	54	272	205	347				
	LUCAS PREMIUM 107AH/ 12V	12	107	272	205	347				
	LUCAS PREMIUM 161AH/ 12V	12	161	380	205	347				

Lucas Premium
Origin CHINA

LUCAS AGM

Lucas reference	Definition	V	C10 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 2,3AH/ 12V	12	2,3	178	35	61		F1		1,02
	LUCAS PREMIUM 2,9AH/ 12V	12	2,9	80	56	99		F1		1,09
	LUCAS PREMIUM 5AH/ 12V	12	5	90	70	102		F1		1,56
	LUCAS PREMIUM 7AH/ 12V	12	7	152	65	95		F1		2,00
	LUCAS PREMIUM 9AH/ 12V	12	9	152	65	95		F2		2,50
	LUCAS PREMIUM 12AH/ 12V	12	12	151	98	94		F3		3,30
	LUCAS PREMIUM 18AH/ 12V	12	18	181	77	167		METRICA		5,20
	LUCAS PREMIUM 26AH/ 12V	12	26	177	167	126		METRICA		7,40
	LUCAS PREMIUM 33AH/ 12V	12	33	196	131	172		METRICA		10,10
	LUCAS PREMIUM 40AH/ 12V	12	40	198	166	170		METRICA		12,20
	LUCAS PREMIUM 65AH/ 12V	12	65	330	168	178		METRICA		19,60
	LUCAS PREMIUM 75AH/ 12V	12	75	260	168	209		METRICA		21,70
	LUCAS PREMIUM 100AH/ 12V	12	100	330	172	214		METRICA		28,30
	LUCAS PREMIUM 120AH/ 12V	12	120	409	177	207		METRICA		34,00
	LUCAS PREMIUM 150AH/ 12V	12	150	483	170	140		METRICA		42,10
	LUCAS PREMIUM 200AH/ 12V	12	200	522	240	218		METRICA		57,30

LUCAS AGM DZM

Lucas reference	Definition	V	C10 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 12AH/ 12V	12	12	151	98	95		METRICA		3,95
	LUCAS PREMIUM 14AH/ 12V	12	14	151	98	95		METRICA		4,35
	LUCAS PREMIUM 20AH/ 12V	12	20	151	98	95		METRICA		4,75

LUCAS AGM HIGH RESISTANCE

Lucas reference	Definition	V	C10 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 9AH/ 12V	12	9	151	65	94		F2		2,40
	LUCAS PREMIUM 12AH/ 12V	12	12	151	98	96		F2		3,54
	LUCAS PREMIUM 100AH/ 12V	12	100	333	173	216		T3		31,20

LUCAS AGM FRONT TERMINAL

Lucas reference	Definition	V	C10 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 55AH/ 12V	12	55	291	106	223		T6		15,70
	LUCAS PREMIUM 75AH/ 12V	12	75	562	114	187		T2		25,40
	LUCAS PREMIUM 100AH/ 12V	12	100	410	110	287		T2		31,70
	LUCAS PREMIUM 105AH/ 12V	12	105	507	110	223		T3		31,00
	LUCAS PREMIUM 150AH/ 12V	12	150	565	110	288		T2		45,30
	LUCAS PREMIUM 180AH/ 12V	12	180	561	125	318		T2		54,20
	LUCAS PREMIUM 200AH/ 12V	12	200	561	125	318		T2		59,50

LUCAS GEL

Lucas reference	Definition	V	C10 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS PREMIUM 55AH/ 12V	12	55	229	138	210		METRICA		16,40
	LUCAS PREMIUM 75AH/ 12V	12	75	260	168	210		METRICA		24,00
	LUCAS PREMIUM 100AH/ 12V	12	100	330	172	214		METRICA		29,60
	LUCAS PREMIUM 120AH/ 12V	12	120	409	177	207		METRICA		35,00
	LUCAS PREMIUM 150AH/ 12V	12	150	483	170	240		METRICA		44,30
	LUCAS PREMIUM 200AH/ 12V	12	200	522	240	218		METRICA		59,60
	LUCAS PREMIUM 250AH/ 12V	12	250	522	240	218		METRICA		69,60

Lucas Premium
Origin CHINA

LUCAS LITHIUM ENERGY

Lucas reference	Definition	V	Capacity (Ah)	L (mm)	W (mm)	H (mm)	Energy Wh	Cycles Number	Terminal	Weight (kg)
	LUCAS PREMIUM 50AH/ 48V	48	50	483	420	133	2400	> 5000		
	LUCAS PREMIUM 100AH/ 48V	48	100	483	420	222	4800	> 5000		
	LUCAS PREMIUM 150AH/ 48V	48	150	483	480	222	7200	> 5000		
	LUCAS PREMIUM 200AH/ 48V	48	200	483	600	222	9600	> 5000		
	LUCAS PREMIUM 50AH/ 48V	48	50	650	485	180	700	> 5000		
	LUCAS PREMIUM 100AH/ 48V	48	100	650	485	180	700	> 5000		
	LUCAS PREMIUM 150AH/ 48V	48	150	650	485	180	640	> 5000		
	LUCAS PREMIUM 200AH/ 48V	48	200	650	485	180	760	> 5000		

LITHIUM TELECOM

Lucas reference	Definition	V	Capacity (Ah)	L (mm)	W (mm)	H (mm)	Energy Wh	Cycles Number	Terminal	Weight (kg)
	LUCAS PREMIUM 10AH/ 48V	48	10	483	360	44	480	> 5000		
	LUCAS PREMIUM 50AH/ 48V	48	50	483	420	133	2400	> 5000		
	LUCAS PREMIUM 75AH/ 48V	48	75	483	420	177	3600	> 5000		
	LUCAS PREMIUM 100AH/ 48V	48	100	483	420	222	4800	> 5000		
	LUCAS PREMIUM 120AH/ 48V	48	120	483	450	222	5760	> 5000		
	LUCAS PREMIUM 150AH/ 48V	48	150	483	560	177	7200	> 5000		
	LUCAS PREMIUM 180AH/ 48V	48	180	483	480	245	8640	> 5000		
	LUCAS PREMIUM 200AH/ 48V	48	200	483	630	222	9600	> 5000		
	LUCAS PREMIUM 220AH/ 48V	48	220	483	620	177	10560	> 5000		
	LUCAS PREMIUM 250AH/ 48V	48	250	483	450	308	12000	> 5000		

LUCAS LITHIUM

Lucas reference	Definition	V	Capacity (Ah)	L (mm)	W (mm)	H (mm)	Energy Wh	Cycles Number	Terminal	Weight (kg)
	LUCAS PREMIUM 50AH/ 48V	48	50	442	490	88,8	2400	> 5000		28,00
	LUCAS PREMIUM 100AH/ 48V	48	100	442	480	176	4800	> 5000		48,00
	LUCAS PREMIUM 200AH/ 48V	48	200	442	680	177	9600	> 5000		95,00
	LUCAS PREMIUM 50AH/ 51,2V	51,2	50	680	480	88,8	2560	> 5000		
	LUCAS PREMIUM 100AH/ 51,2V	51,2	100	680	490	176	5120	> 5000		
	LUCAS PREMIUM 200AH/ 51,2V	51,2	200	680	485	180	10240	> 5000		107,00

Lucas Standard
Origin CHINA

LUCAS LITHIUM STANDARD

Lucas reference	Definition	V	Capacity (Ah)	L (mm)	W (mm)	H (mm)	Energy Wh	Cycles Number	Terminal	Weight (kg)
	LUCAS STANDARD 50AH/ 48V	48	50	442	490	88,8	2400	> 3000		28,00
	LUCAS STANDARD 100AH/ 48V	48	100	442	480	222	4800	> 3000		48,00

Lucas

Lucas Standard
Origin CHINA

LUCAS AGM

Lucas reference	Definition	V	C10 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS STANDARD 4AH/ 4V	4	4	48	48	102		F1		0.47
	LUCAS STANDARD 4.5AH/ 4V	4	4.5	48	48	102		F1		0.55
	LUCAS STANDARD 4.5AH/ 4V	4	4.5	48	48	102		F1		0.55
	LUCAS STANDARD 1.3AH/ 6V	6	1.3	97	24	51		F1		0.26
	LUCAS STANDARD 1.3AH/ 6V	6	1.3	97	24	51		F0		0.29
	LUCAS STANDARD 2.8AH/ 6V	6	2.8	66	33	97		F0		0.56
	LUCAS STANDARD 3.2AH/ 6V	6	3.2	125	33	60		F1		0.62
	LUCAS STANDARD 4AH/ 6V	6	4	70	48	100		F1		0,60
	LUCAS STANDARD 4AH/ 6V	6	4	70	48	100		D1		0.64
	LUCAS STANDARD 4AH/ 6V	6	4	70	48	100		D1		0.64
	LUCAS STANDARD 4AH/ 6V	6	4	70	48	100		F1		0.65
	LUCAS STANDARD 4AH/ 6V	6	4	70	48	100		F1		0,70
	LUCAS STANDARD 4.1AH/ 6V	6	4.1	70	48	100		D1		0,70
	LUCAS STANDARD 4.5AH/ 6V	6	4.5	70	48	100		F1		0.68
	LUCAS STANDARD 4.5AH/ 6V	6	4.5	70	48	100		F1		0,80
	LUCAS STANDARD 5AH/ 6V	6	5	170	35	70		F1		0.92
	LUCAS STANDARD 5AH/ 6V	6	5	70	48	100		F1		0.84
	LUCAS STANDARD 5AH/ 6V	6	5	70	48	100		F1		0.77
	LUCAS STANDARD 6AH/ 6V	6	6	85	48	100		F1		1.01
	LUCAS STANDARD 6.5AH/ 6V	6	6.5	70	48	116		F1		1,00
	LUCAS STANDARD 7AH/ 6V	6	7	151	35	94		F1		1.08
	LUCAS STANDARD 7AH/ 6V	6	7	151	35	94		F1		1,20
	LUCAS STANDARD 10AH/ 6V	6	10	151	50	94		F1		1.63
	LUCAS STANDARD 12AH/ 6V	6	12	151	50	94		F2		1.78
	LUCAS STANDARD 1.3AH/ 12V	12	1.3	97	45	53		F0		0.58
	LUCAS STANDARD 2.2AH/ 12V	12	2.2	178	35	61		F0		0.91
	LUCAS STANDARD 3.3AH/ 12V	12	3.3	134	67	61		F1		1.27
	LUCAS STANDARD 4AH/ 12V	12	4	90	70	100		F2		1.43
	LUCAS STANDARD 4.5AH/ 12V	12	4.5	90	70	100		F2		1.38
	LUCAS STANDARD 4.5AH/ 12V	12	4.5	90	70	100		F1		1.61
	LUCAS STANDARD 5AH/ 12V	12	5	90	70	100		F2		1.68
	LUCAS STANDARD 6AH/ 12V	12	6	151	51	94		F1		1.68
	LUCAS STANDARD 7AH/ 12V	12	7	151	65	94		F1		2.09
	LUCAS STANDARD 8AH/ 12V	12	8	151	65	94		F2		2.53
	LUCAS STANDARD 7.2AH/ 12V	12	7.2	151	65	94		F2		2.04
	LUCAS STANDARD 8AH/ 12V	12	8	151	65	94		F1		2.32
	LUCAS STANDARD 9AH/ 12V	12	9	151	65	94		F2		2.65
	LUCAS STANDARD 9AH/ 12V	12	9	151	65	94		F2		2,40
	LUCAS STANDARD 9AH/ 12V	12	9	151	98	96		F2		2.97
	LUCAS STANDARD 10AH/ 12V	12	10	151	65	111		F2		2.94
	LUCAS STANDARD 12AH/ 12V	12	12	151	98	96		F2		3.54
	LUCAS STANDARD 17AH/ 12V	12	17	181	77	167		L1		4.76
	LUCAS STANDARD 20AH/ 12V	12	20	181	77	155		T7		5.18
	LUCAS STANDARD 20AH/ 12V	12	20	181	77	167		L1		6.08
	LUCAS STANDARD 24AH/ 12V	12	24	175	166	125		T0		7,50
	LUCAS STANDARD 26AH/ 12V	12	26	175	166	125		L2		8.05
	LUCAS STANDARD 26AH/ 12V	12	26	175	166	125		T0		8.05
	LUCAS STANDARD 26AH/ 12V	12	26	165	125	174		L2		7.78
	LUCAS STANDARD 26AH/ 12V	12	26	165	125	174		L2		8.25
	LUCAS STANDARD 28AH/ 12V	12	28	175	166	125		T0		8,80
	LUCAS STANDARD 33AH/ 12V	12	33	194	132	174		T1		10,50
	LUCAS STANDARD 33AH/ 12V	12	33	194	132	174		T1		9,90
	LUCAS STANDARD 38AH/ 12V	12	38	196	166	173		T1		11,90
	LUCAS STANDARD 40AH/ 12V	12	40	196	166	173		T1		12,60
	LUCAS STANDARD 55AH/ 12V	12	55	228	137	211		T1		16,30

LUCAS AGM

Lucas reference	Definition	V	C10 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS STANDARD 100AH/ 6V	6	100	195	170	204		T2		14,00
	LUCAS STANDARD 150AH/ 6V	6	150	260	180	246		T3		24,90
	LUCAS STANDARD 180AH/ 6V	6	180	306	168	222		T2		27,00
	LUCAS STANDARD 200AH/ 6V	6	200	323	177	225		T2		29,50
	LUCAS STANDARD 200AH/ 6V	6	200	323	177	225		B6		30,00
	LUCAS STANDARD 65AH/ 12V	12	65	350	167	173		T3		19,20
	LUCAS STANDARD 65AH/ 12V	12	65	350	167	173		T3		20,60
	LUCAS STANDARD 75AH/ 12V	12	75	260	168	212		T1		22,90
	LUCAS STANDARD 85AH/ 12V	12	85	260	168	212		T1		25,40
	LUCAS STANDARD 90AH/ 12V	12	90	307	168	211		T1		27,00
	LUCAS STANDARD 90AH/ 12V	12	90	307	168	211		T1		29,50
	LUCAS STANDARD 100AH/ 12V	12	100	333	173	216		T3		27,50
	LUCAS STANDARD 100AH/ 12V	12	100	333	173	216		T3		28,10
	LUCAS STANDARD 100AH/ 12V	12	100	333	173	216		T3		30,50
	LUCAS STANDARD 100AH/ 12V	12	100	333	173	216		T3		31,20
	LUCAS STANDARD 120AH/ 12V	12	120	406	172	208		T2		36,60
	LUCAS STANDARD 150AH/ 12V	12	150	484	170	241		T3		44,00
	LUCAS STANDARD 150AH/ 12V	12	150	484	170	241		T3		42,50
	LUCAS STANDARD 180AH/ 12V	12	180	532	209	215		T2		53,40
	LUCAS STANDARD 200AH/ 12V	12	200	522	239	217		T3		60,20
	LUCAS STANDARD 220AH/ 12V	12	220	522	239	217		T3		66,10
	LUCAS STANDARD 250AH/ 12V	12	250	520	269	220		T2		72,30
	LUCAS STANDARD 100AH/ 2V	2	100	171	72	206		B6		5,85
	LUCAS STANDARD 200AH/ 2V	2	200	173	111	328		T5		13,40
	LUCAS STANDARD 300AH/ 2V	2	300	171	151	333		T5		19,20
	LUCAS STANDARD 400AH/ 2V	2	400	211	175	328		T5		26,50
	LUCAS STANDARD 500AH/ 2V	2	500	242	173	329		T5		31,00
	LUCAS STANDARD 600AH/ 2V	2	600	301	175	331		T5		38,20
	LUCAS STANDARD 800AH/ 2V	2	800	409	177	330		T5		53,20
	LUCAS STANDARD 1000AH/ 2V	2	1000	475	175	328		T5		62,00

LUCAS GEL

Lucas reference	Definition	V	C20 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS STANDARD 26AH/ 12V	12	26	175	166	125		T0		8,05
	LUCAS STANDARD 26AH/ 12V	12	26	165	125	174		L2		7,78
	LUCAS STANDARD 26AH/ 12V	12	26	165	125	174		L2		8,25
	LUCAS STANDARD 28AH/ 12V	12	28	175	166	125		T0		8,80
	LUCAS STANDARD 33AH/ 12V	12	33	194	132	170		T1		9,90
	LUCAS STANDARD 33AH/ 12V	12	33	194	132	170		T1		10,50
	LUCAS STANDARD 26AH/ 12V	12	26	196	166	173		T1		9,60
	LUCAS STANDARD 38AH/ 12V	12	38	196	166	173		T1		11,90
	LUCAS STANDARD 38AH/ 12V	12	38	196	166	173		T1		11,90
	LUCAS STANDARD 40AH/ 12V	12	40	196	166	173		T1		12,60
	LUCAS STANDARD 45AH/ 12V	12	45	196	166	173		T1		14,30
	LUCAS STANDARD 42AH/ 12V	12	42	228	137	211		T1		14,50
	LUCAS STANDARD 55AH/ 12V	12	55	228	137	211		T1		15,90
	LUCAS STANDARD 55AH/ 12V	12	55	228	137	211		T1		16,80

LUCAS GEL

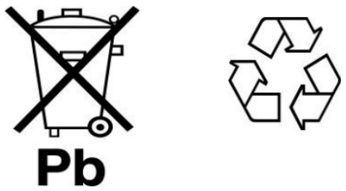
Lucas reference	Definition	V	C10 (Ah)	L (mm)	W (mm)	H (mm)	Layout	Terminal	Hold-down	Weight (kg)
	LUCAS STANDARD 100AH/ 6V	6	100	195	170	204		T2		14,00
	LUCAS STANDARD 150AH/ 6V	6	150	260	180	246		T3		24,90
	LUCAS STANDARD 180AH/ 6V	6	180	306	168	222		T2		27,00
	LUCAS STANDARD 200AH/ 6V	6	200	323	177	225		T2		29,50
	LUCAS STANDARD 200AH/ 6V	6	200	323	177	225		T2		29,50
	LUCAS STANDARD 65AH/ 12V	12	65	350	167	173		T3		19,20
	LUCAS STANDARD 65AH/ 12V	12	65	350	167	173		T3		20,60
	LUCAS STANDARD 64AH/ 12V	12	64	260	168	212		T1		20,60
	LUCAS STANDARD 68AH/ 12V	12	68	260	168	212		T1		21,70
	LUCAS STANDARD 75AH/ 12V	12	75	260	168	212		T1		22,90
	LUCAS STANDARD 85AH/ 12V	12	85	260	168	212		T1		25,40
	LUCAS STANDARD 90AH/ 12V	12	90	307	168	211		T1		
	LUCAS STANDARD 70AH/ 12V	12	70	333	173	216		T3		24,60
	LUCAS STANDARD 70AH/ 12V	12	70	333	173	216		T3		26,00
	LUCAS STANDARD 100AH/ 12V	12	100	333	173	216		T3		28,10
	LUCAS STANDARD 100AH/ 12V	12	100	333	173	216		T3		30,50
	LUCAS STANDARD 100AH/ 12V	12	100	333	173	216		T3		31,20
	LUCAS STANDARD 105AH/ 12V	12	105	406	172	208		T2		32,80
	LUCAS STANDARD 120AH/ 12V	12	120	406	172	208		T2		34,00
	LUCAS STANDARD 120AH/ 12V	12	120	406	172	208		T2		36,60
	LUCAS STANDARD 150AH/ 12V	12	150	484	170	241		T3		41,00
	LUCAS STANDARD 150AH/ 12V	12	150	484	170	241		T3		42,50
	LUCAS STANDARD 200AH/ 12V	12	200	522	239	217		T3		58,30
	LUCAS STANDARD 170AH/ 12V	12	170	522	239	217		T3		53,50
	LUCAS STANDARD 200AH/ 12V	12	200	522	239	217		T3		60,20
	LUCAS STANDARD 210AH/ 12V	12	210	522	239	217		T3		63,30
	LUCAS STANDARD 220AH/ 12V	12	220	522	239	217		T3		66,10

COSHH Information

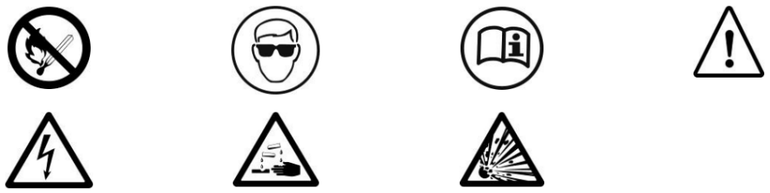
Hazards Identification
No hazards occur during the normal operation of a lead acid battery as it is described in the instructions for use that are provided with the battery. Lead-acid batteries have three significant characteristics:
· They contain an electrolyte which contains dilute sulphuric acid. Sulphuric acid may cause severe chemical burns.
· During the charging process or during operation they might develop hydrogen gas and oxygen, which under certain circumstances may result in an explosive mixture.
· They can contain a considerable amount of energy, which may be a source of high electrical current and a severe electrical shock in the event of a short circuit.

Handling and Storage
Store under roof in cool ambiance - charged lead-acid batteries do not freeze up to -50°C; prevent short circuits. Seek agreement with local water authorities in case of larger quantities of batteries to be stored. If batteries have to be stored, it is imperative that the instructions for use are observed.

Regulatory Information
In accordance with the EU Battery Directive and the respective national legislation, lead-acid batteries have to be marked by a crossed out dust bin with the chemical symbol for lead shown below, together with the ISO return/recycling symbol.



In addition, the batteries have to be labelled with some or all of the following hazard symbols:



Labelling might vary due to the application, design, dimension and country of sale of the batteries. The manufacturer, respectively the importer of the batteries shall be responsible for placing the symbols (a minimum size is specified).

Environmental Information

Battery recycling can be defined as the process to recycle batteries instead of disposing them into the garbage after just a single use.

The aim is to reduce the overall number of battery trash that is produced every year on a global scale since battery garbage can lead to various forms of contamination, including water and soil pollution.

In response to the 'Hazardous Waste Regulations' appertaining to the disposal of lead acid batteries, all the battery wholesaler are now obliged to provide a collection service for scrap lead acid batteries.

There are huge differences around the world regarding the efforts and efficiency of battery recycling. Please take care about your local regulations concerning batteries waste management.

Battery recycling is important in order to:

· Reduction of soil pollution
· Mitigation of water pollution
· Groundwater protection
· Fight natural resource depletion
· Suitable treatment of toxic chemicals
· Reduction in overall waste production
· Fight global warming
· Reduction in environmental dumping

Lucas Automotive Aftermarket Batteries - Non European Region
Distributed in exclusive by:
VT Batteries
Calle Valle de Tobalina 10, 09001 Burgos, Spain
Tlf: + 34 947 07 00 21 info@lucasbatt.com

lucasautomotive.com

OUR RANGE GOES FURTHER.