



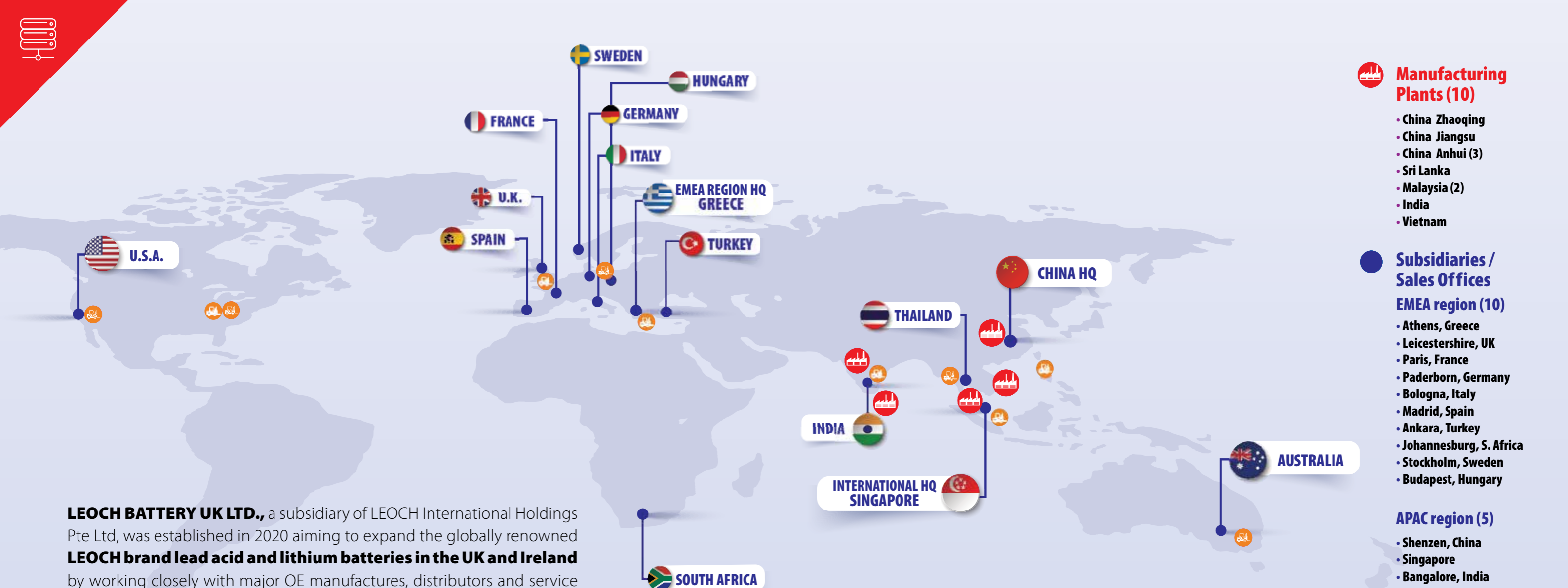
OPTIMIZING BACK-UP

through the
right battery
selection



Series:

- ▶ Pure Lead
High Rate PLX
- ▶ AGM XP
- ▶ AGM LHR



- Manufacturing Plants (10)**
- China Zhaoqing
 - China Jiangsu
 - China Anhui (3)
 - Sri Lanka
 - Malaysia (2)
 - India
 - Vietnam

- Subsidiaries / Sales Offices**
- EMEA region (10)**
- Athens, Greece
 - Leicestershire, UK
 - Paris, France
 - Paderborn, Germany
 - Bologna, Italy
 - Madrid, Spain
 - Ankara, Turkey
 - Johannesburg, S. Africa
 - Stockholm, Sweden
 - Budapest, Hungary

- APAC region (5)**
- Shenzhen, China
 - Singapore
 - Bangalore, India
 - Sydney, Australia
 - Bangkok, Thailand

Los Angeles, USA

● Subsidiaries / Sales Offices
● Manufacturing Plants
● Warehouses

LEOCH BATTERY UK LTD., a subsidiary of LEOCH International Holdings Pte Ltd, was established in 2020 aiming to expand the globally renowned **LEOCH brand lead acid and lithium batteries in the UK and Ireland** by working closely with major OE manufactures, distributors and service providers as well as B2B customers who use our batteries.

LEOCH retains ten (10) regional manufacturing plants located in **PRC, Malaysia, Sri Lanka, India and Vietnam**, producing mainly reserve power batteries, SLI batteries and motive power batteries with an annual production capacity of over 20GVAh / year.

Your Global Battery Partner

1.5b	10	24	16	12.000	105	3.000
US \$ Annual Sales	Manufacturing Plants	GWH Production Capacity per Year	Subsidiaries and Sales Offices Worldwide	Employees Worldwide	Production Lines	Customers around the World

...covering your needs for UPS applications

We offer a wide range of sealed Lead Acid batteries specifically designed for reliable back-up power and ideally suited to satisfy the high-rate power requirements of the most demanding UPS applications.



Pure Lead High Rate PLX series



**-40°C-
+65°C**

TEMPERATURE
RANGE

**Up to
24months
at 25°C**

SHELF LIFE

**4-5
Years***

WARRANTY

**15
Years
(25°C)**

DESIGN LIFE

*depending on the
actual model and
configuration set-up

LEOCH Pure Lead Xtreme Rate batteries, PLX series, are AGM Valve-Regulated Lead-Acid batteries that have been optimized for extreme high rate applications. Engineered using Pure Lead, PLX batteries offer very long life design under extreme high rate demands and temperature ranges, alongside fast recharge capabilities.

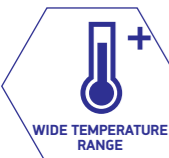
GENERAL FEATURES



Very long design life classified according to Eurobat



Long shelf life of up to 2 years



Wide operating temperature range (-40°C - 65°C)



Unique anti-explosion one-way vent valve design to minimize water loss and increase safety



Variety of Front Terminal and Top Terminal products ensures improved compatibility for replacement projects



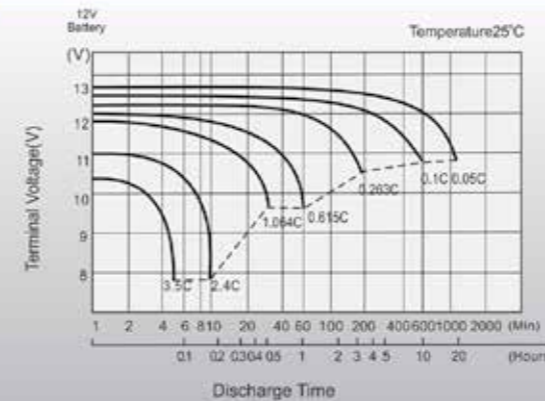
Premium ABS+PC jar and covers, flame retardant to UL94-V0

BATTERY SPECIFICATIONS

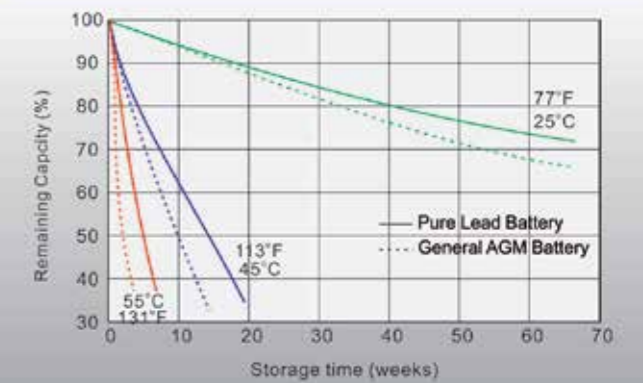
Model	Nominal Voltage (V)	Rated Power Discharge 15min @ 1.67V/cell (W)	Rated Capacity 10Hr @ 1.80V/cell (AH)	Approx. Dimensions								Approx. Weight		Terminal Type
				Length		Width		Height		Total Height		kg	lbs	
				mm	in.	mm	in.	mm	in.	mm	in.			
PLX12-260FT(A)	12	260	62	298.70	11.70	97.00	3.82	267.00	10.50	267.00	10.50	19.90	43.87	M6
PLX12-400FT(A)	12	400	100	405.40	15.90	108.00	4.25	287.00	11.30	287.00	11.30	31.50	69.44	M6
PLX12-450FT(A)	12	450	110	559.00	22.00	125.00	4.92	227.00	8.90	227.00	8.90	37.70	83.11	M6
PLX12-620FT(A)	12	620	150	559.00	22.00	125.00	4.92	277.00	10.90	277.00	10.90	48.50	106.92	M6
PLX12-700FT(A)	12	700	190	559.00	22.00	125.00	4.92	320.00	12.60	320.00	12.60	58.00	127.87	M6
PLX12-730FT	12	730	200	571.00	22.50	125.00	4.92	320.00	12.60	320.00	12.60	61.00	134.48	M6
PLX12-330	12	330	80	260.00	10.20	168.00	6.60	208.00	8.20	211.00	8.30	25.60	56.40	M6
PLX12-360	12	360	90	306.00	12.00	168.00	6.60	207.00	8.10	210.00	8.30	30.00	66.10	M6
PLX12-420	12	420	100	340.90	13.40	170.00	6.70	213.20	8.40	215.70	8.50	33.50	73.90	M6
PLX12-500	12	500	125	340.90	13.40	170.00	6.70	273.20	10.80	275.70	10.90	41.70	91.90	M6
PLX12-540	12	540	135	340.90	13.40	170.00	6.70	273.20	10.80	275.70	10.90	43.50	95.90	M6
PLX12-620	12	620	150	340.90	13.40	170.00	6.70	273.20	10.80	275.70	10.90	44.80	98.80	M6

PERFORMANCE CHARACTERISTICS

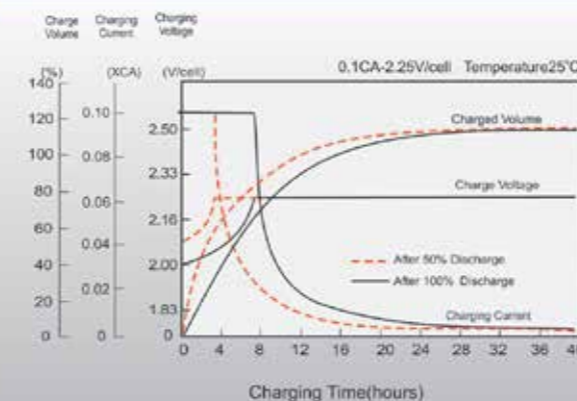
Discharge Characteristics



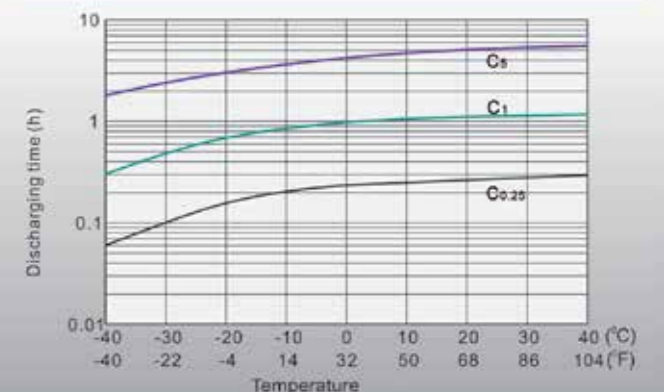
Self-Discharge Characteristics



Floating Charging Characteristics



Temperature Effect on Discharging Time





AGM XP series



**-20°C-
+50°C**

TEMPERATURE
RANGE

**≤3% /
month
@ 25°C**

SHELF LIFE

**2-3
Years***

WARRANTY

**12
Years**

DESIGN LIFE

* Depending on
the actual model

LEOCH XP series, are AGM Valve-Regulated Lead-Acid front terminal batteries that have been optimized for UPS applications. Engineered using advanced TTP technologies, they offer ultra-high-power discharge rates at 15mins and high consistency for multiple string applications, XP batteries offer 12 year design life.

GENERAL FEATURES



Long design life classified according to Eurobat



Reduced grid corrosion and elongated battery life, due to advanced lead tin calcium alloy used



Case sizing designs for increased replacement compatibility



Unique anti-explosion one-way vent valve design to minimize water loss and increase safety



Increased consistency by utilizing low tolerance manufacturing techniques



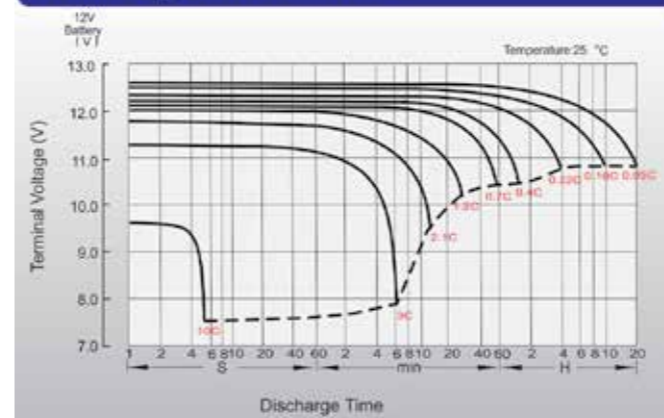
ABS case UL94-HB (UL94-V0 Optional) is used for increased container strength

BATTERY SPECIFICATIONS

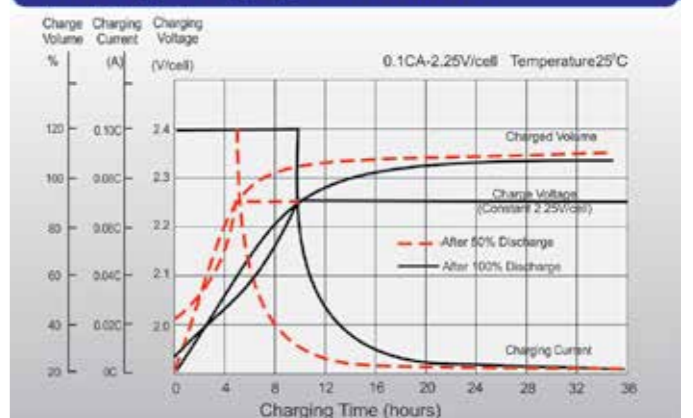
Model	Nominal Voltage (V)	Rated Power Discharge 15min @ 1.67V/cell (W)	Rated Capacity 20Hr @ 1.80V/cell (AH)	Rated Capacity 10Hr @ 1.80V/cell (AH)	Approx. Dimensions								Approx. Weight		Terminal Type
					Length		Width		Height		Total Height		kg	lbs	
					mm	in.	mm	in.	mm	in.	mm	in.			
XP12-100	12	92.8	27	26.1	164.00	6.46	125.00	4.92	172.00	6.77	175.00	6.89	7.90	17.42	M5
XP12-150	12	150	35	33.5	195.00	7.68	130.00	5.12	164.00	6.46	167.00	6.57	10.20	22.49	M6
XP12-210	12	240.8	55	52.6	229.00	9.02	138.00	5.43	200.00	7.87	203.00	7.99	17.70	39.02	M6
XP12-300	12	324.6	82	78.6	260.00	10.24	168.00	6.61	208.00	8.19	211.00	8.31	24.20	53.35	M6
XP12-350	12	374	95	90.7	306.00	12.05	168.00	6.61	208.00	8.19	211.00	8.31	28.20	62.17	M6
XP12-400	12	422	101.6	96	325.50	12.81	170.00	6.69	213.00	8.39	216.00	8.50	31.60	69.67	M6
XP12-490	12	505.6	142	136	335.00	13.19	172.00	6.77	275.00	10.83	278.00	10.94	42.60	93.92	M6
XP12-540	12	540.1	155	147	335.00	13.19	172.00	6.77	275.00	10.83	278.00	10.94	42.60	93.92	M6
XP12-740	12	740	/	210	522.00	20.55	240.00	9.45	218.00	8.58	224.00	8.82	64.50	142.20	M8
XP12-810	12	810	/	230	522.00	20.55	268.00	10.55	220.00	8.66	226.00	8.90	73.30	161.60	M8

PERFORMANCE CHARACTERISTICS

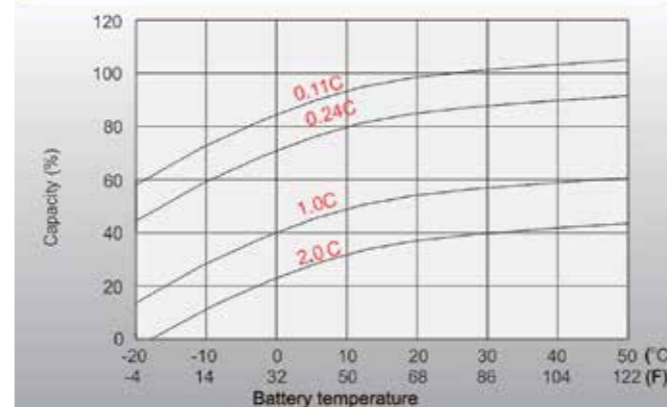
Discharge Characteristics



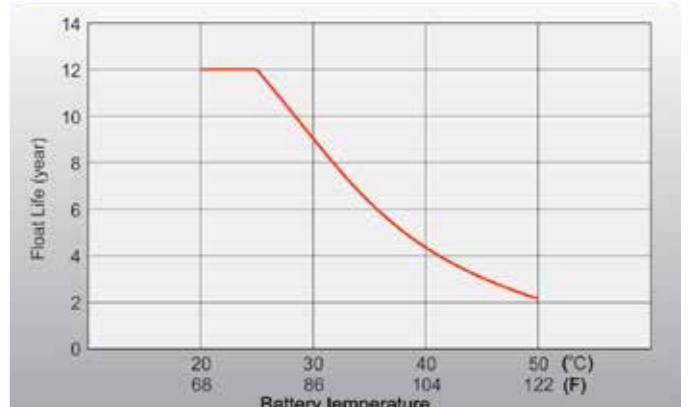
Floating Charging Characteristics



Temperature Effect in Relation to Battery Capacity



Temperature Effect on Long Term Float Life





AGM LHR series



**-20°C-
+50°C**

TEMPERATURE
RANGE

**≤3%/
month
@ 25°C**

SHELF LIFE

**1-3
Years***

WARRANTY

**12
Years***

DESIGN LIFE

* Depending on
the actual model

LEOCH LHR series, are AGM Valve-Regulated Lead-Acid front terminal batteries that have been optimized for UPS applications. Engineered to offer high-power discharge rates at 15mins and high consistency for multiple string applications, LHR batteries offer an up to 16-year (2V) and 12-year (12V) life design and a wide 12V and 2V capacity range to cover any requirement.

GENERAL FEATURES



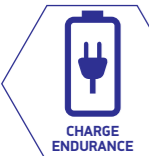
**EUROBAT
CLASSIFICATION**

Long (and very long) design life classified according to Eurobat (12V >20Ah, 2V all models)



SAFETY

Unique anti-explosion one-way vent valve design to minimize water loss and increase safety



**CHARGE
ENDURANCE**

Optimized high-power output at short discharge times



**LONG SERVICE
LIFE**

Special pasting formula ensures long service life



CONSISTENCY

Increased consistency by utilizing low tolerance manufacturing techniques



ABS CASE

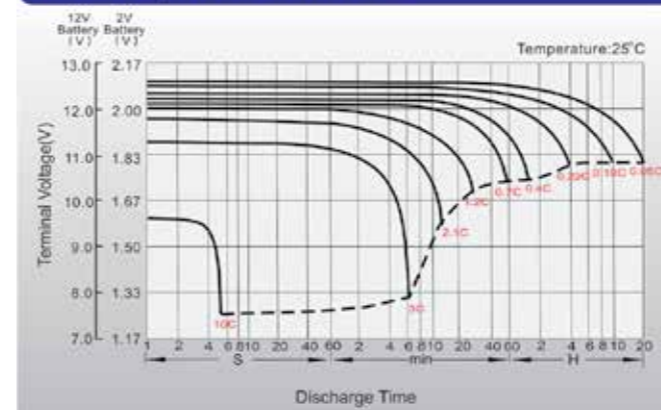
ABS case UL94-HB (UL94-V0 Optional) is used for increased container strength

BATTERY SPECIFICATIONS

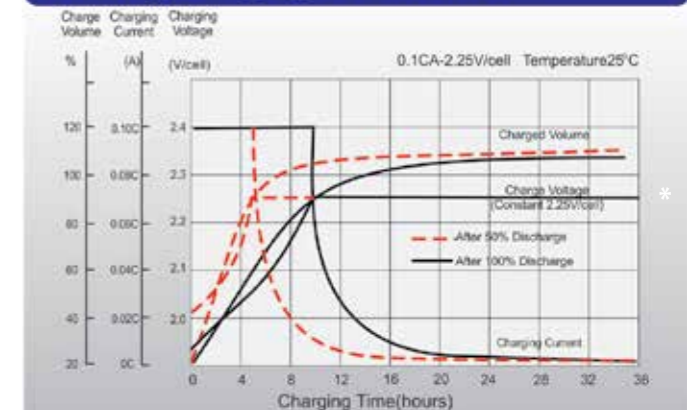
Model	Nominal Voltage (V)	Rated Power Discharge 15min @ 1.67V/cell (W)	Rated Capacity 20Hr @ 1.80V/cell (AH)	Rated Capacity 10Hr @ 1.80V/cell (AH)	Approx. Dimensions								Approx. Weight		Terminal Type
					Length		Width		Height		Total Height		kg	lbs	
					mm	in.	mm	in.	mm	in.	mm	in.			
LHR1224W	12	24	5.7		90.00	3.54	70.00	2.76	101.00	3.98	107.00	4.21	1.88	4.14	T1/T2
LHR1226W	12	26	6.5		151.00	5.94	65.00	2.56	93.50	3.68	99.50	3.92	2.08	4.59	T1/T2
LHR1235W	12	35	8		151.00	5.94	65.00	2.56	93.50	3.68	99.50	3.92	2.50	5.51	T1/T2
LHR1236W	12	36	8		151.00	5.94	65.00	3.86	95.00	3.74	101.00	3.98	2.70	5.95	T1/T2
LHR1255W	12	55	13		151.00	5.94	98.00	3.86	95.00	3.74	101.00	3.98	3.90	8.60	T12
LHR1285W	12	85	20		181.50	7.15	76.50	3.01	167.50	6.59	167.50	6.59	6.00	13.23	M6
LHR12120W	12	120		38	197.00	7.76	165.00	6.50	170.00	6.69	170.00	6.69	11.60	25.57	M6
LHR12160W	12	160		45	197.00	7.76	165.00	6.50	170.00	6.69	170.00	6.69	14.20	31.31	M6
LHR12185W	12	185		55	229.00	9.02	138.00	5.43	205.00	8.07	211.00	8.31	16.20	35.71	M6
LHR12215W	12	215		65	348.00	13.70	167.00	6.57	178.00	7.01	178.00	7.01	19.20	42.33	M6
LHR12255W	12	255		70	348.00	13.70	167.00	6.57	178.00	7.01	178.00	7.01	21.60	47.62	M8
LHR12300W	12	300		75	256.40	10.09	173.00	6.81	213.00	8.39	216.00	8.50	23.40	51.59	M8
LHR12350W	12	350		85	293.20	11.54	173.00	6.81	213.00	8.39	216.00	8.50	26.80	59.08	M8
LHR12360W	12	360		100	330.00	12.99	173.00	6.81	213.00	8.39	216.00	8.50	29.40	64.82	M8
LHR12400W	12	400		100	330.00	12.99	173.00	6.81	213.00	8.39	216.00	8.50	30.20	66.58	M8
LHR12430W	12	430		100	330.00	12.99	173.00	6.81	213.00	8.39	216.00	8.50	30.80	67.90	M8
LHR12370W	12	370		100	330.00	12.99	173.00	6.81	212.00	8.35	220.00	8.66	30.70	67.68	M8
LHR12420W	12	420		110	408.00	16.06	177.00	6.97	225.00	8.86	225.00	8.86	35.30	77.82	M8
LHR12510W	12	510		140	483.00	19.02	170.00	6.69	238.50	9.39	238.50	9.39	43.60	96.12	M8
LHR12605W	12	605		170	532.00	20.94	207.00	8.15	214.00	8.43	220.00	8.66	53.70	118.39	M8
LHR12705W	12	705		190	532.00	20.94	207.00	8.15	214.00	8.43	220.00	8.66	57.90	127.65	M8
LHR12750W	12	750		210	522.00	20.55	240.00	9.45	218.00	8.58	224.00	8.82	65.30	143.96	M8
LHR12815W	12	815		230	522.00	20.55	268.00	10.55	220.00	8.66	226.00	8.90	74.10	163.36	M8
LHR500W	2	500	180	90	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	11.80	26.01	M8
LHR600W	2	600	200	90	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	12.80	28.22	M8
LHR750W	2	750	300	124	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	17.40	38.36	M8
LHR900W	2	900	300	124	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	18.20	40.12	M8
LHR950W	2	1000	300	124	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	19.20	42.33	M8
LHR1200W	2	1200	400	158	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	24.10	53.13	M8
LHR1250W	2	1250	500	191	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	27.50	60.63	M8
LHR1520W	2	1520	500	191	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	30.30	66.80	M8
LHR1800W	2	1800	600	225	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	36.20	79.81	M8
LHR1950W	2	1950	650	225	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	37.30	82.23	M8
LHR2400W	2	2400	800	303	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	48.50	106.92	M8
LHR2450W	2	2450	800	303	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	49.20	108.47	M8
LHR2850W	2	2850	1000	370	181.00	7.13	350.00	13.78	365.00	14.37	365.00	14.37	58.70	129.41	M8

PERFORMANCE CHARACTERISTICS

Discharge Characteristics



Floating Charging Characteristics

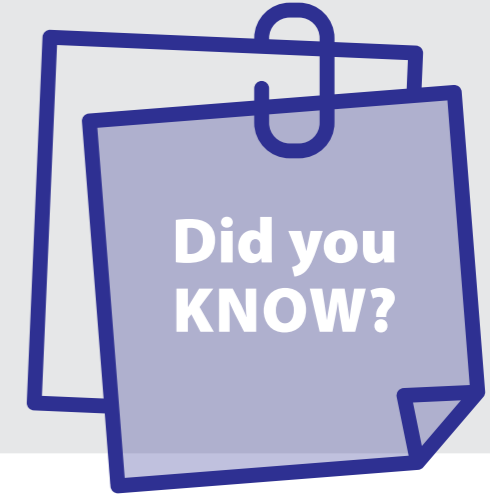




Why choose us?



The Leoch Battery UK Team offers over 100 years' collective experience in the import, export, and distribution of batteries throughout the UK & Europe.



Central UK warehouse

Our centrally located headquarters and warehouse in Market Harborough, Leicestershire, in the heart of the East Midlands, allow us to distribute our extensive range of batteries with ease and speed across the entirety of the country.



Quality assured products

Partnering directly with Leoch, one of the largest battery producers in the world, means we know where our products have been manufactured. Continuity of supply is assured: a rarity in the industry.



UN 38.3 Accreditation

Leoch Lithium 12 and 24V Lithium batteries boast Section 38.3 accreditation from the UN Manual of Tests and Criteria (UN Transportation Testing). This means they are safe to be transported by air, sea, rail and road and throughout the battery's transportation process right through to the end user. The protocol includes identifying/classifying lithium batteries; testing/ qualification requirements; design guidance/conditions and packaging/shipping obligations



Own branding

Trade customers of Leoch Battery UK can take advantage of the technologies of one of the largest battery manufacturers in the world and develop their own private labelling. An increasingly popular practice, own-branding can lower your costs and increase your profit margins. Both paper and screenprint labelling are possible and we welcome all enquiries.



CE Marking

Leoch Battery's 12 and 24V Lithium batteries are CE accredited, signifying that they conform with health, safety and environmental protection standards for products sold within the European Economic area. The batteries are assembled according to tests including IEC-61000-6-1 and 61000-6-3 which relate to the Electromagnetic Compatibility (EMC) Directive 2014/30/EU.



National sales team

We have a dedicated sales team of highly experienced battery professionals out on the road, who are backed up by operations and sales experts in-house. Whether on the end of a phone or making a visit to you in person, our representatives are always on hand to provide expert advice on any technical, sales or after-sales service matters.



National warranty coverage

For your convenience, Leoch Battery UK's warranty coverage (Link to warranty page) extends to all batteries distributed by the company, whether purchased directly from us or bought through one of our customers. Our batteries are supported by excellent manufacturer warranties of 12 months and tested by trained experts at our UK facility.

Our Website



www.leochbattery.co.uk

is the site to bookmark for up-to-date Company information and the latest product news. Blogs, downloads and product advice can all be found here, as well as details of the latest exhibitions we're attending.

Please note that all products and specifications are subject to change © Leoch Battery 2020.



Our team of dedicated Account Managers and office staff would be delighted to advise on further product information, technical data and suitability, regardless of the application.



Contact us via phone on **01858 433 330**
or email on **sales.uk@leoch.com**



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www.leochbattery.co.uk

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