

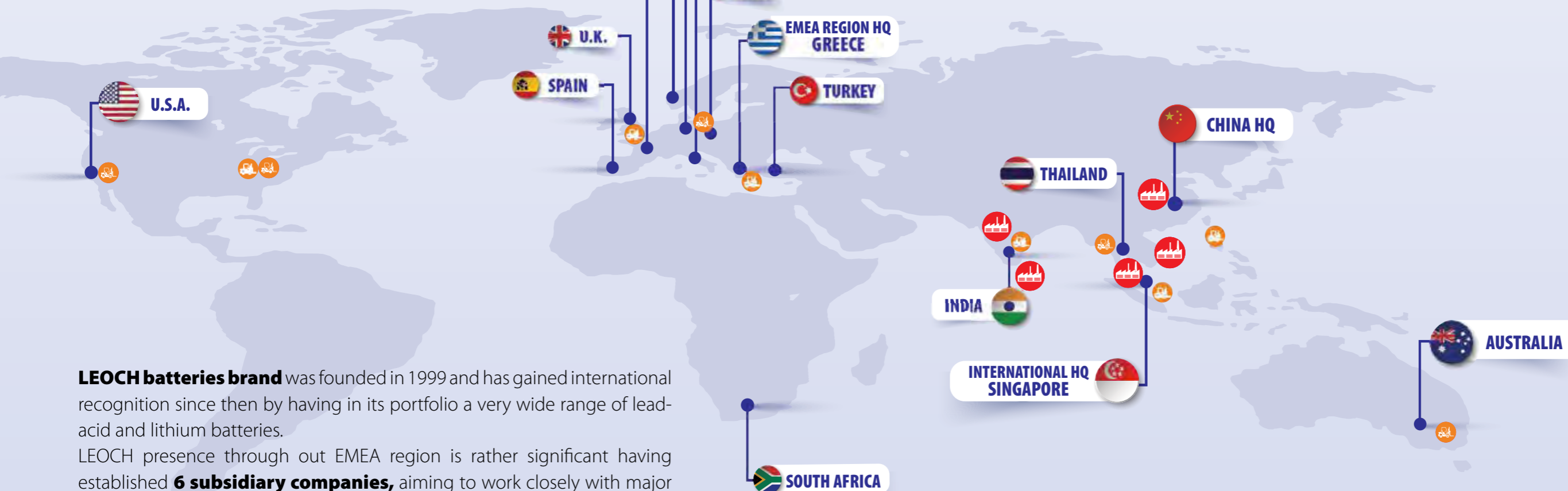
# OPTIMIZING BACK-UP

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 batteries brand** was founded in 1999 and has gained international recognition since then by having in its portfolio a very wide range of lead-acid and lithium batteries.

LEOCH presence through out EMEA region is rather significant having established **6 subsidiary companies**, aiming to work closely with major OE manufacturers, distributors, service providers as well as B2B customers.

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

<b>1.5b</b>	<b>10</b>	<b>24</b>	<b>16</b>	<b>12.000</b>	<b>105</b>	<b>3.000</b>
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.**





# 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.

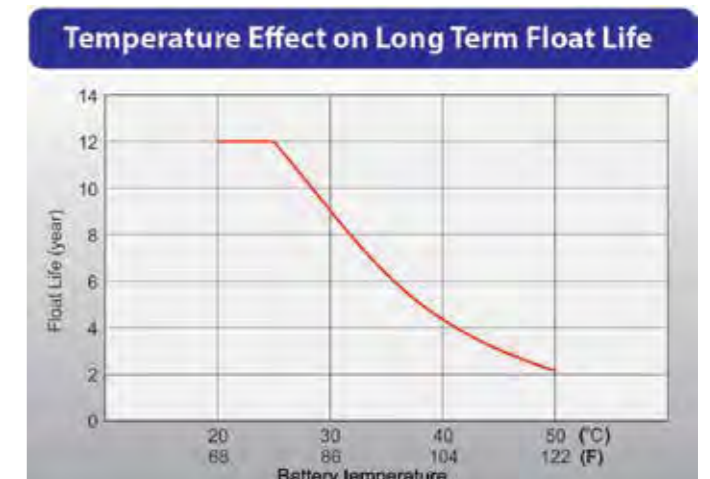
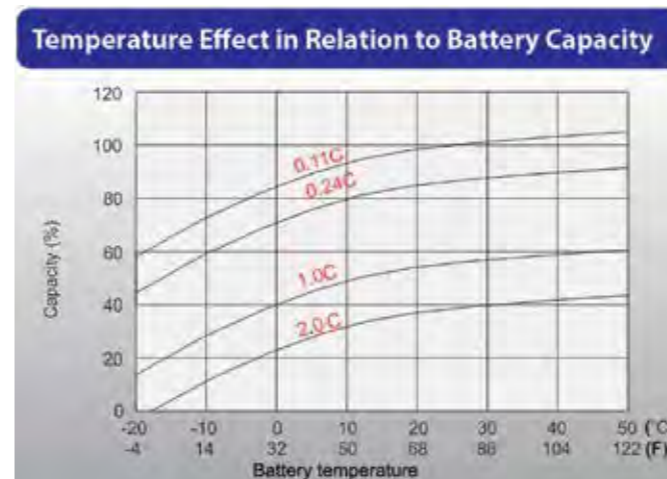
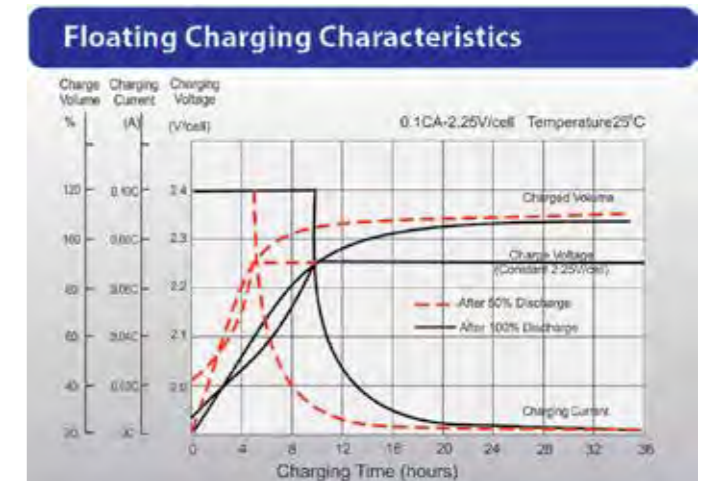
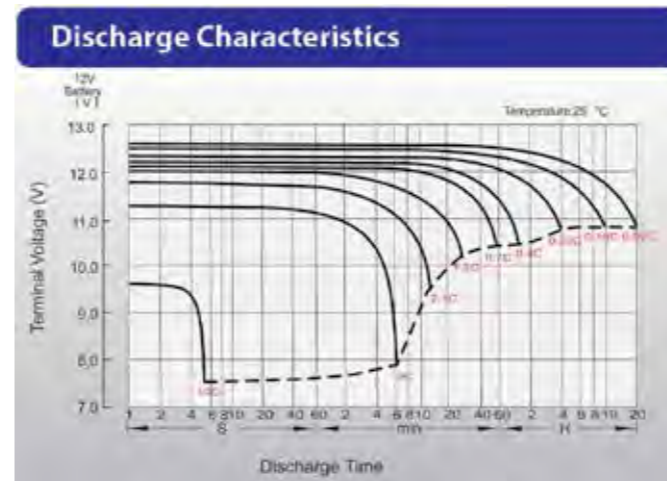
## GENERAL FEATURES

- EUROBAT CLASSIFICATION**  
Long design life classified according to Eurobat
- LONG LIFE**  
Reduced grid corrosion and elongated battery life, due to advanced lead tin calcium alloy used
- COMPATIBILITY**  
Case sizing designs for increased replacement compatibility
- SAFETY**  
Unique anti-explosion one-way vent valve design to minimize water loss and increase safety
- 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.			
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





# AGM LHR series



- TEMPERATURE RANGE**  
-20°C - +50°C
- SHELF LIFE**  
≤3%/month @ 25°C
- WARRANTY**  
2-3 Years\*
- DESIGN LIFE**  
12 Years\*

\* 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.

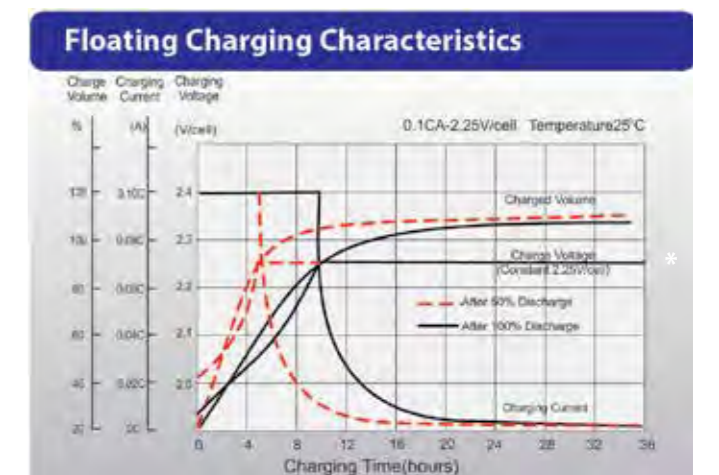
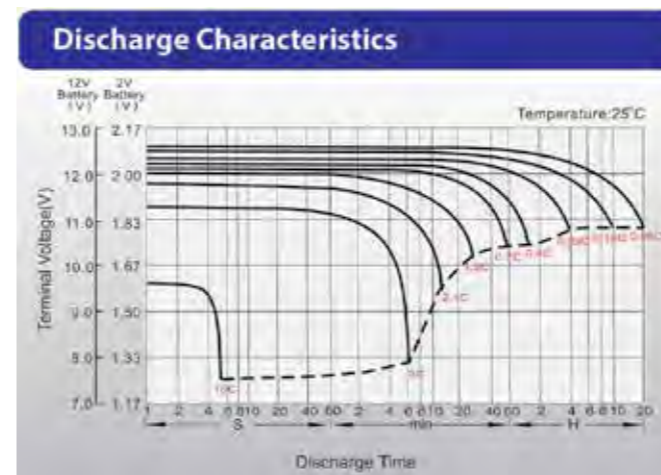
## GENERAL FEATURES

- 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	98.00	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



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