



# OPTIMIZING **BACK-UP** through the right battery selection



## Series:

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





www.leoch.eu



## Manufacturing Plants (10)

- China Zhaoqing
- China Jiangsu
- China Anhui (3)
- Sri Lanka
- Malaysia (2)
- India
- Vietnam



## Subsidiaries / Sales Offices

### EMEA region (9)

- Athens, Greece
- Leicestershire, UK
- Paris, France
- Paderborn, Germany
- Milan, Italy
- Valencia, Spain
- Ankara, Turkey
- Johannesburg, S. Africa
- Stockholm, Sweden

### APAC region (5)

- Shenzhen, China
- Singapore
- Bangalore, India
- Sydney, Australia
- Bangkok, Thailand

Los Angeles, USA

**LEOCH EUROPE S.A.**, a subsidiary of LEOCH International Holdings Pte Ltd, was established in 2015 aiming to expand the globally renowned **LEOCH brand lead acid and lithium batteries in Europe, Middle East and Africa** 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 energy partner...



**1999**

Company Establishment



**14**

Subsidiaries and Sales Offices Worldwide



**10**

Manufacturing Plants



**105**

Production Lines



**12.000**

Employees Worldwide



**20**

GVAh Production Capacity per Year



**1.5b**

US \$ Annual Sales

## ...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  
2 years  
at 25°C

SHELF LIFE

4-5  
Years\*

WARRANTY

15  
Years  
(25°C)

DESIGN LIFE

\* Depending on  
the actual model



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

EUROBAT  
CLASSIFICATION

Very long design life classified according to Eurobat



LONG LIFE

Long shelf life of up to 2 years



WIDE TEMPERATURE  
RANGE

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



SAFETY

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



COMPATIBILITY

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



ABS CASE

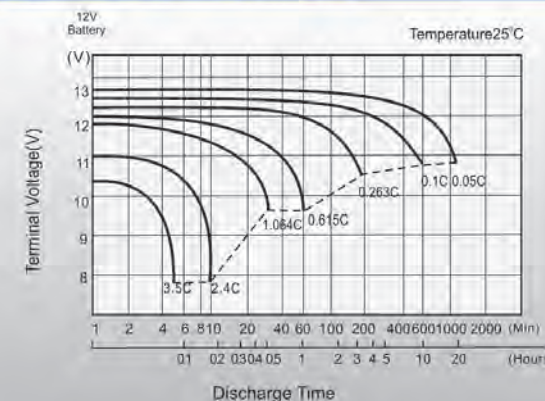
ABS case UL94-HB (UL94-V0  
Optional) is used for increased  
container strength

## BATTERY SPECIFICATIONS

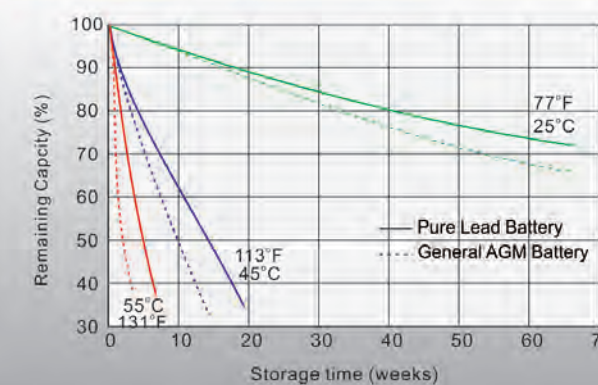
| Model          | Nominal Voltage (V) | Rated Power Discharge 15min 1.67V/cell (W) | Rated Capacity 10Hr @ 1.80V/cell (AH) | Approx. Dimensions |       |        |      |        |       |              |       | Approx. Weight |        | Terminal Type |
|----------------|---------------------|--------------------------------------------|---------------------------------------|--------------------|-------|--------|------|--------|-------|--------------|-------|----------------|--------|---------------|
|                |                     |                                            |                                       | Length             |       | Width  |      | Height |       | Total Height |       |                |        |               |
|                |                     |                                            |                                       | mm                 | in.   | mm     | in.  | mm     | in.   | mm           | in.   | kg             | lbs    |               |
| 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            |
| PLX12-400      | 12                  | 400                                        | 100                                   | 341,50             | 13,40 | 175,00 | 6,89 | 213,00 | 8,39  | 215,00       | 8,46  | 32,00          | 70,55  | M8            |
| 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             | 22,40 | 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  | 25,00          | 55,10  | M6            |
| PLX12-360      | 12                  | 360                                        | 90                                    | 306,00             | 12,00 | 168,00 | 6,60 | 207,00 | 8,10  | 210,00       | 8,30  | 29,50          | 65,00  | M6            |
| PLX12-420      | 12                  | 420                                        | 100                                   | 340,90             | 13,40 | 170,00 | 6,70 | 213,20 | 8,40  | 215,70       | 8,50  | 33,00          | 72,80  | M6            |
| PLX12-500      | 12                  | 500                                        | 125                                   | 340,90             | 13,40 | 170,00 | 6,70 | 273,20 | 10,80 | 275,70       | 10,90 | 41,50          | 91,50  | M6            |
| PLX12-540      | 12                  | 540                                        | 135                                   | 340,90             | 13,40 | 170,00 | 6,70 | 273,20 | 10,80 | 275,70       | 10,90 | 43,00          | 94,80  | M6            |
| PLX12-620      | 12                  | 620                                        | 150                                   | 340,90             | 13,40 | 170,00 | 6,70 | 273,20 | 10,80 | 275,70       | 10,90 | 44,50          | 98,10  | M6            |

## PERFORMANCE CHARACTERISTICS

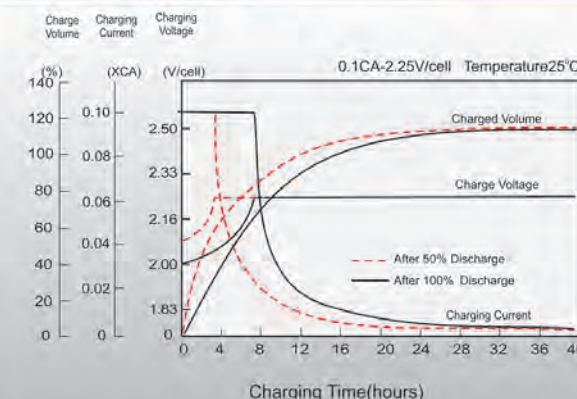
### Discharge Characteristics



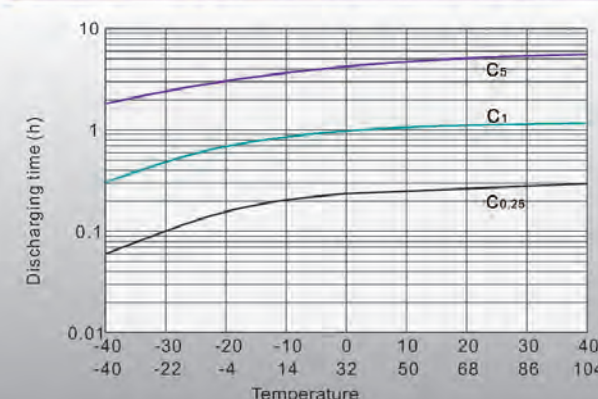
### Self-Discharge Characteristics



### Floating Charging Characteristics



### Temperature Effect on Discharging Time







## AGM XP series

-20°C-  
+55°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



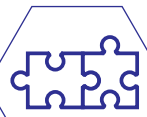
EUROBAT  
CLASSIFICATION

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

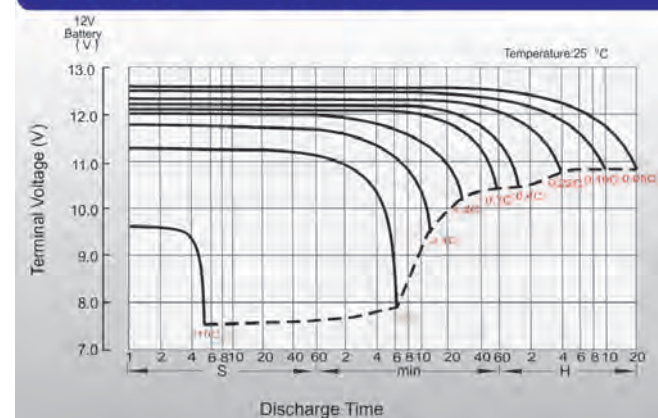
ABS case UL94-HB (UL94-V0 Optional) is used for increased container strength

## BATTERY SPECIFICATIONS

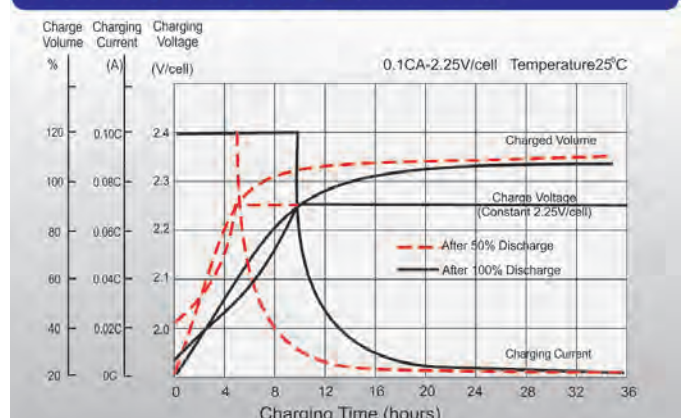
| Model    | Nominal Voltage (V) | Rated Power Discharge 15min @ 1.67V/cell (W) | Rated Capacity 10Hr @ 1.80V/cell (AH) | Approx. Dimensions |       |        |       |        |       |              |       | Approx. Weight |        | Terminal Type |
|----------|---------------------|----------------------------------------------|---------------------------------------|--------------------|-------|--------|-------|--------|-------|--------------|-------|----------------|--------|---------------|
|          |                     |                                              |                                       | Length             |       | Width  |       | Height |       | Total Height |       |                |        |               |
|          |                     |                                              |                                       | mm                 | in.   | mm     | in.   | mm     | in.   | mm           | in.   | kg             | lbs    |               |
| XP12-100 | 12                  | 92,80                                        | 26,10                                 | 164,00             | 6,46  | 125,00 | 4,92  | 172,00 | 6,77  | 175,00       | 6,89  | 7,90           | 17,42  | M5            |
| XP12-150 | 12                  | 150,00                                       | 33,50                                 | 195,00             | 7,68  | 130,00 | 5,12  | 164,00 | 6,46  | 167,00       | 6,57  | 10,20          | 22,49  | M6            |
| XP12-210 | 12                  | 225,10                                       | 52,60                                 | 229,00             | 9,02  | 138,00 | 5,43  | 200,00 | 7,87  | 203,00       | 7,99  | 17,60          | 38,80  | M6            |
| XP12-300 | 12                  | 324,60                                       | 78,60                                 | 260,00             | 10,24 | 168,00 | 6,61  | 208,00 | 8,19  | 211,00       | 8,31  | 24,00          | 52,92  | M6            |
| XP12-350 | 12                  | 370,30                                       | 90,70                                 | 306,00             | 12,05 | 168,00 | 6,61  | 208,00 | 8,19  | 211,00       | 8,31  | 28,00          | 61,74  | M6            |
| XP12-400 | 12                  | 405,70                                       | 96,00                                 | 325,50             | 12,81 | 170,00 | 6,69  | 213,00 | 8,39  | 216,00       | 8,50  | 31,40          | 69,24  | M6            |
| XP12-490 | 12                  | 490,90                                       | 136,00                                | 335,00             | 13,19 | 172,00 | 6,77  | 275,00 | 10,83 | 278,00       | 10,94 | 42,00          | 92,61  | M6            |
| XP12-540 | 12                  | 539,00                                       | 147,00                                | 335,00             | 13,19 | 172,00 | 6,77  | 275,00 | 10,83 | 278,00       | 10,94 | 42,40          | 93,49  | M6            |
| XP12-740 | 12                  | 740,00                                       | 225,00                                | 522,00             | 20,55 | 240,00 | 9,45  | 218,00 | 8,58  | 224,00       | 8,82  | 63,50          | 140,02 | M8            |
| XP12-810 | 12                  | 810,00                                       | 250,00                                | 522,00             | 20,55 | 268,00 | 10,55 | 220,00 | 8,66  | 226,00       | 8,90  | 72,50          | 159,86 | M8            |

## PERFORMANCE CHARACTERISTICS

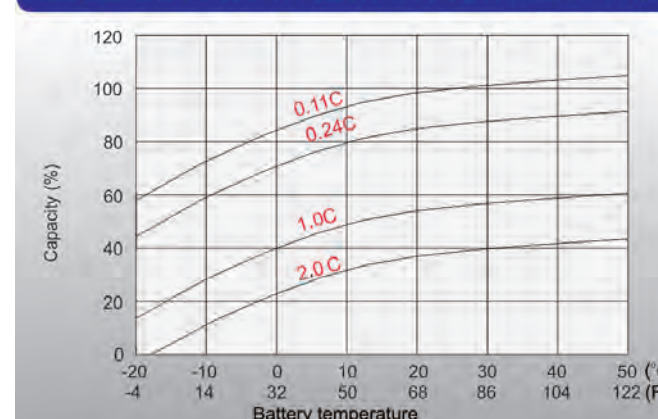
### Discharge Characteristics



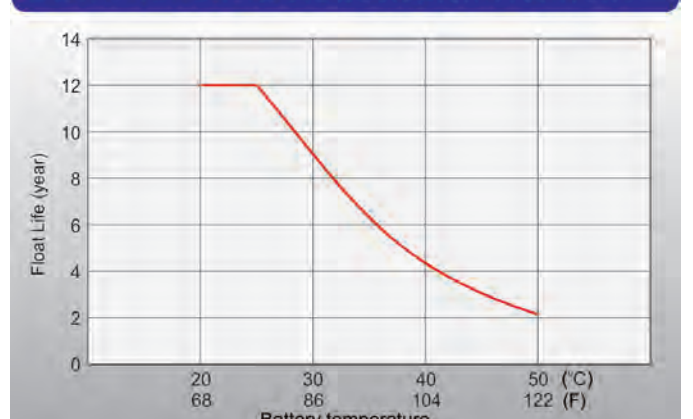
### Floating Charging Characteristics



### 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

2-3  
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.

## 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 |       |                |        |               |
|           |                     |                                              |                                       | mm                 | in.   | mm     | in.   | mm     | in.   | mm           | in.   | kg             | lbs    |               |
| LHR1224W  | 12                  | 24                                           | 5,30                                  | 90,00              | 3,54  | 70,00  | 2,76  | 101,00 | 3,98  | 107,00       | 4,21  | 1,88           | 4,15   | T1            |
| LHR1226W  | 12                  | 26                                           | 6,50                                  | 151,00             | 5,94  | 65,00  | 2,56  | 93,50  | 3,68  | 99,50        | 3,92  | 2,08           | 4,59   | T1            |
| LHR1235W  | 12                  | 35                                           | 7,80                                  | 151,00             | 5,94  | 65,00  | 2,56  | 93,50  | 3,68  | 99,50        | 3,92  | 2,50           | 5,51   | T2            |
| LHR1255W  | 12                  | 55                                           | 13,00                                 | 151,00             | 5,94  | 98,00  | 3,86  | 95,00  | 3,74  | 101,00       | 3,98  | 4,00           | 8,82   | T2            |
| LHR1285W  | 12                  | 85                                           | 19,00                                 | 181,50             | 7,15  | 77,00  | 3,03  | 167,50 | 6,59  | 167,50       | 6,59  | 6,00           | 13,23  | M5            |
| LHR12120W | 12                  | 120                                          | 38,00                                 | 197,00             | 7,76  | 165,00 | 6,50  | 170,00 | 6,69  | 170,00       | 6,69  | 11,60          | 25,57  | M6            |
| LHR12160W | 12                  | 160                                          | 45,00                                 | 197,00             | 7,76  | 165,00 | 6,50  | 170,00 | 6,69  | 170,00       | 6,69  | 14,20          | 31,31  | M6            |
| LHR12185W | 12                  | 185                                          | 55,00                                 | 229,00             | 9,02  | 138,00 | 5,43  | 205,00 | 8,07  | 211,00       | 8,31  | 16,20          | 35,72  | M6            |
| LHR12215W | 12                  | 215                                          | 65,00                                 | 348,00             | 13,70 | 167,00 | 6,57  | 178,00 | 7,01  | 178,00       | 7,01  | 19,20          | 42,34  | M6            |
| LHR12255W | 12                  | 255                                          | 70,00                                 | 348,00             | 13,70 | 167,00 | 6,57  | 178,00 | 7,01  | 178,00       | 7,01  | 21,60          | 47,63  | M6            |
| LHR12300W | 12                  | 300                                          | 75,00                                 | 256,40             | 10,09 | 173,00 | 6,81  | 213,00 | 8,39  | 216,00       | 8,50  | 23,40          | 51,60  | M8            |
| LHR12350W | 12                  | 350                                          | 85,00                                 | 293,20             | 11,54 | 173,00 | 6,81  | 213,00 | 8,39  | 216,00       | 8,50  | 26,80          | 59,09  | M8            |
| LHR12360W | 12                  | 360                                          | 100,00                                | 330,00             | 12,99 | 173,00 | 6,81  | 213,00 | 8,39  | 216,00       | 8,50  | 29,40          | 64,83  | M8            |
| LHR12400W | 12                  | 400                                          | 100,00                                | 330,00             | 12,99 | 173,00 | 6,81  | 213,00 | 8,39  | 216,00       | 8,50  | 30,20          | 66,59  | M8            |
| LHR12430W | 12                  | 430                                          | 100,00                                | 330,00             | 12,99 | 173,00 | 6,81  | 213,00 | 8,39  | 216,00       | 8,50  | 30,80          | 67,91  | M8            |
| LHR12460W | 12                  | 460                                          | 120,00                                | 408,00             | 16,06 | 177,00 | 6,97  | 225,00 | 8,86  | 225,00       | 8,86  | 37,30          | 82,25  | M8            |
| LHR12510W | 12                  | 510                                          | 150,00                                | 483,00             | 19,02 | 170,00 | 6,69  | 238,50 | 9,39  | 238,50       | 9,39  | 43,20          | 95,26  | M8            |
| LHR12600W | 12                  | 600                                          | 180,00                                | 532,00             | 20,94 | 207,00 | 8,15  | 214,00 | 8,43  | 220,00       | 8,66  | 53,60          | 118,19 | M8            |
| LHR12690W | 12                  | 690                                          | 200,00                                | 522,00             | 20,55 | 240,00 | 9,45  | 218,00 | 8,58  | 224,00       | 8,82  | 62,20          | 137,15 | M8            |
| LHR12765W | 12                  | 765                                          | 225,00                                | 522,00             | 20,55 | 240,00 | 9,45  | 218,00 | 8,58  | 224,00       | 8,82  | 64,80          | 142,85 | M8            |
| LHR12820W | 12                  | 820                                          | 250,00                                | 522,00             | 20,55 | 268,00 | 10,55 | 220,00 | 8,66  | 226,00       | 8,90  | 73,30          | 161,60 | M8            |
| LHR593W   | 2                   | 593                                          | 200,00                                | 170,00             | 6,69  | 110,00 | 4,33  | 328,00 | 12,91 | 343,00       | 13,50 | 13,10          | 28,89  | M8            |
| LHR857W   | 2                   | 857                                          | 300,00                                | 170,00             | 6,69  | 150,00 | 5,91  | 330,00 | 12,99 | 345,00       | 13,58 | 18,10          | 39,91  | M8            |
| LHR1186W  | 2                   | 1186                                         | 400,00                                | 210,00             | 8,27  | 175,00 | 6,89  | 330,00 | 12,99 | 345,00       | 13,58 | 26,40          | 58,21  | M8            |
| LHR1450W  | 2                   | 1450                                         | 500,00                                | 240,00             | 9,45  | 175,00 | 6,89  | 328,00 | 12,91 | 343,00       | 13,50 | 31,10          | 68,58  | M8            |
| LHR1714W  | 2                   | 1714                                         | 600,00                                | 300,00             | 11,81 | 175,00 | 6,89  | 330,00 | 12,99 | 345,00       | 13,58 | 37,20          | 82,03  | M8            |
| LHR2372W  | 2                   | 2372                                         | 800,00                                | 410,00             | 16,14 | 175,00 | 6,89  | 330,00 | 12,99 | 345,00       | 13,58 | 52,90          | 116,64 | M8            |
| LHR2900W  | 2                   | 2900                                         | 1000,00                               | 475,00             | 18,70 | 175,00 | 6,89  | 328,00 | 12,91 | 343,00       | 13,50 | 62,00          | 136,71 | M8            |

## PERFORMANCE CHARACTERISTICS

### 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

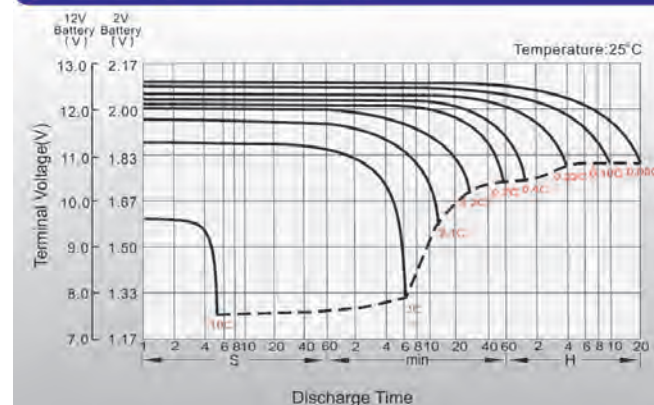
Increased consistency by utilizing low tolerance manufacturing techniques



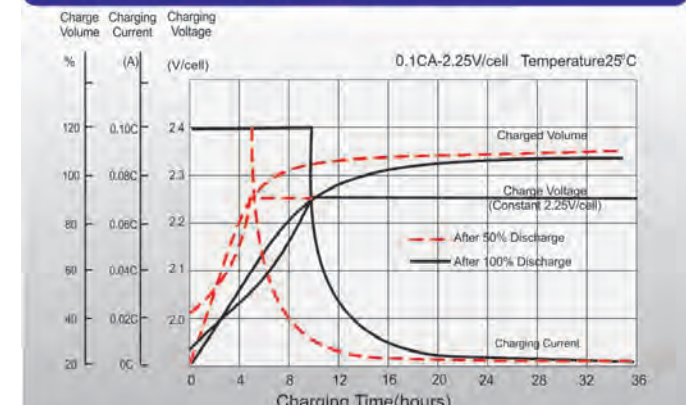
ABS CASE

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

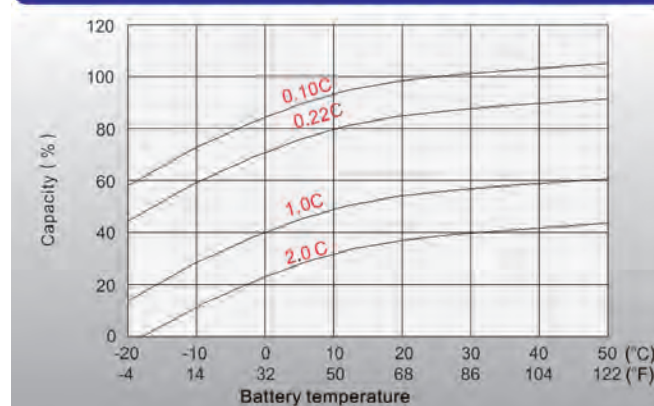
### Discharge Characteristics



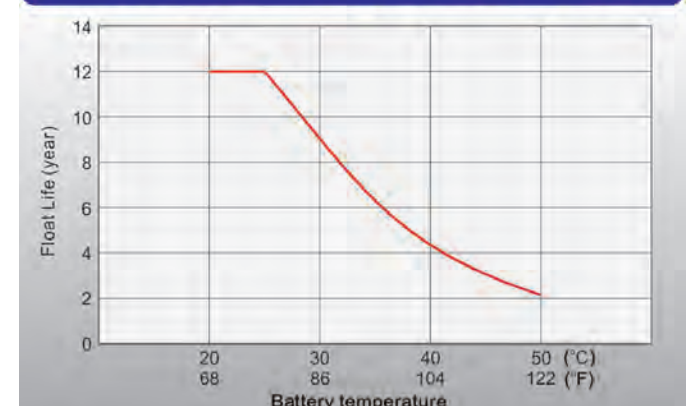
### Floating Charging Characteristics



### Temperature Effect in Relation to Battery Capacity



### Temperature Effect on Long Term Float Life (12V) \*



\* Depending on the actual model





# AGM LPX series



-15°C-  
+50°C

TEMPERATURE  
RANGE

Up to 6  
months  
at 25°C

SHELF LIFE

1-3  
Years\*

WARRANTY

up to  
10  
Years

DESIGN LIFE

\* Depending on  
the actual model

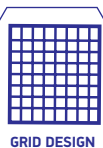
LEOCH LPX series, are AGM Valve-Regulated Lead-Acid top terminal batteries that have been optimized for UPS applications. Engineered with gravity casted plates to offer high-power discharge rates and high consistency for multiple string applications, LPX batteries are classified as high performance according to Eurobat and float life up to 10 years with the inclusion of a 6V model.

## 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 |      |                |        |               |
|           |                     |                                              |                                       | mm                 | in.   | mm     | in.   | mm     | in.  | mm           | in.  | kg             | lbs    |               |
| LPX12-1.2 | 12                  | 3,59                                         | 1,12                                  | 97,00              | 3,80  | 48,50  | 1,91  | 52,50  | 2,10 | 58,50        | 2,30 | 0,59           | 1,30   | T1            |
| LPX12-2.2 | 12                  | 8,20                                         | 2,13                                  | 178,00             | 7,00  | 35,00  | 1,38  | 60,00  | 2,40 | 66,00        | 2,60 | 0,97           | 2,10   | T1            |
| LPX12-3.2 | 12                  | 12,50                                        | 3,25                                  | 134,00             | 5,30  | 67,00  | 2,64  | 60,50  | 2,40 | 66,50        | 2,60 | 1,35           | 3,00   | T1            |
| LPX12-5.4 | 12                  | 20,70                                        | 5,00                                  | 90,00              | 3,50  | 70,00  | 2,76  | 101,00 | 4,00 | 107,00       | 4,20 | 1,83           | 4,00   | T1            |
| LPX12-6.0 | 12                  | 25,60                                        | 6,20                                  | 151,00             | 5,90  | 65,00  | 2,56  | 93,50  | 3,70 | 99,50        | 3,90 | 2,26           | 5,00   | T2            |
| LPX12-7.0 | 12                  | 29,00                                        | 7,23                                  | 151,00             | 5,90  | 65,00  | 2,56  | 93,50  | 3,70 | 99,50        | 3,90 | 2,50           | 5,50   | T2            |
| LPX12-7.6 | 12                  | 32,20                                        | 7,88                                  | 151,00             | 5,90  | 65,00  | 2,56  | 93,50  | 3,70 | 99,50        | 3,90 | 2,47           | 5,40   | T2            |
| LPX12-9.0 | 12                  | 33,30                                        | 7,98                                  | 151,00             | 5,90  | 65,00  | 2,60  | 93,50  | 3,70 | 99,50        | 3,90 | 2,66           | 5,90   | T2            |
| LPX12-12  | 12                  | 49,80                                        | 12,60                                 | 151,00             | 5,90  | 98,00  | 3,86  | 95,00  | 3,70 | 101,00       | 4,00 | 4,05           | 8,90   | T2            |
| LPX12-17  | 12                  | 63,40                                        | 17,60                                 | 181,50             | 7,10  | 77,00  | 3,03  | 167,50 | 6,60 | 167,50       | 6,60 | 5,78           | 12,70  | M5            |
| LPX12-18  | 12                  | 67,40                                        | 18,70                                 | 181,50             | 7,10  | 76,50  | 3,01  | 167,50 | 6,60 | 167,50       | 6,60 | 6,00           | 13,20  | T3            |
| LPX12-20  | 12                  | 81,40                                        | 20,40                                 | 181,50             | 7,10  | 77,00  | 3,03  | 166,00 | 6,50 | 166,00       | 6,50 | 6,90           | 15,20  | M5            |
| LPX12-24  | 12                  | 99,80                                        | 25,50                                 | 166,00             | 6,50  | 175,00 | 6,89  | 125,00 | 4,90 | 125,00       | 4,90 | 8,60           | 19,00  | T3            |
| LPX12-35  | 12                  | 120,10                                       | 34,20                                 | 195,00             | 7,70  | 130,00 | 5,12  | 164,00 | 6,50 | 180,00       | 7,10 | 10,50          | 23,20  | T10           |
| LPX12-38  | 12                  | 126,30                                       | 38,70                                 | 197,00             | 7,80  | 165,00 | 6,50  | 170,00 | 6,70 | 170,00       | 6,70 | 13,20          | 29,10  | M6            |
| LPX12-65  | 12                  | 221,20                                       | 67,40                                 | 348,00             | 13,70 | 167,00 | 6,57  | 178,00 | 7,00 | 178,00       | 7,00 | 21,20          | 46,70  | M6            |
| LPX12-72  | 12                  | 237,70                                       | 74,40                                 | 260,00             | 10,20 | 168,00 | 6,61  | 208,00 | 8,20 | 214,00       | 8,40 | 22,30          | 49,20  | M6            |
| LPX12-100 | 12                  | 356,10                                       | 104,00                                | 330,00             | 13,00 | 173,00 | 6,81  | 212,00 | 8,30 | 220,00       | 8,70 | 30,60          | 67,50  | M8            |
| LPX12-120 | 12                  | 483,80                                       | 124,00                                | 408,00             | 16,10 | 177,00 | 6,97  | 225,00 | 8,90 | 225,00       | 8,90 | 37,30          | 82,20  | M8            |
| LPX12-150 | 12                  | 487,50                                       | 155,00                                | 483,00             | 19,00 | 170,00 | 6,69  | 238,50 | 9,40 | 238,50       | 9,40 | 43,20          | 95,30  | M8            |
| LPX12-200 | 12                  | 675,80                                       | 206,00                                | 522,00             | 20,60 | 240,00 | 9,45  | 218,00 | 8,60 | 224,00       | 8,80 | 62,20          | 137,20 | M8            |
| LPX12-250 | 12                  | 783,30                                       | 258,00                                | 522,00             | 20,60 | 268,00 | 10,55 | 220,00 | 8,70 | 226,00       | 8,90 | 72,50          | 159,90 | M8            |
| LPX6-200  | 6                   | 675,80                                       | 206,00                                | 322,00             | 12,70 | 178,00 | 7,01  | 226,00 | 8,90 | 232,00       | 9,10 | 30,30          | 66,80  | M8            |

## PERFORMANCE CHARACTERISTICS

### GENERAL FEATURES



GRID DESIGN

Thin plate technology and special grid design to optimize high rate performance



SAFETY

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



CHARGE ENDURANCE

Improved high current discharging properties



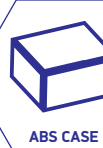
LONG SERVICE LIFE

Special pasting formula ensures long service life



CONSISTENCY

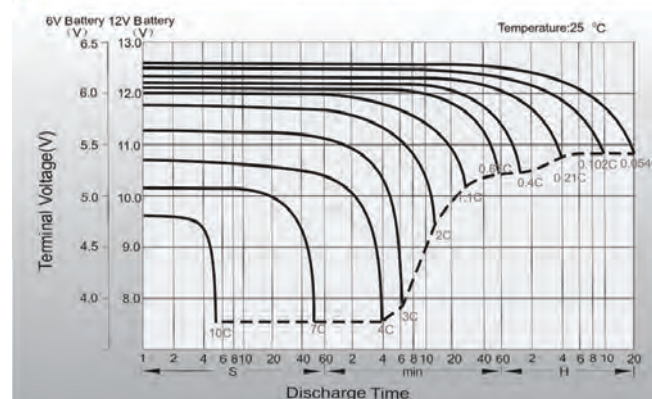
Increased consistency by utilizing low tolerance manufacturing techniques



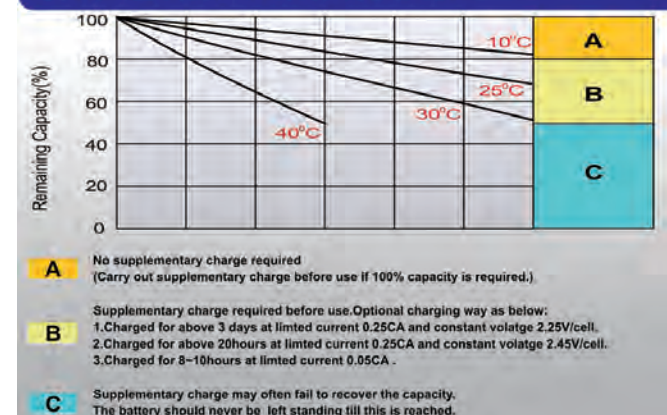
ABS CASE

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

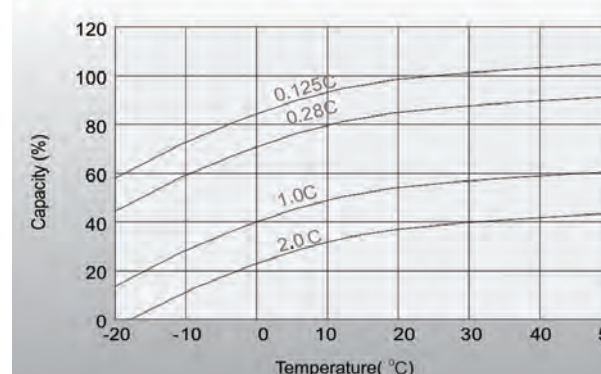
### Discharge Characteristics



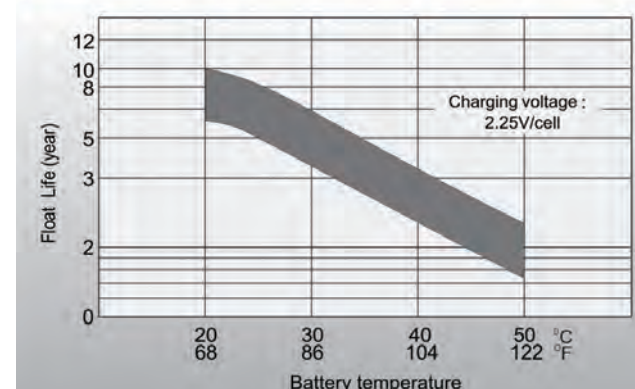
### Self Discharge Characteristics



### Temperature Effect in Relation to Battery Capacity



### Temperature Effect on Long Term Float Life





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