



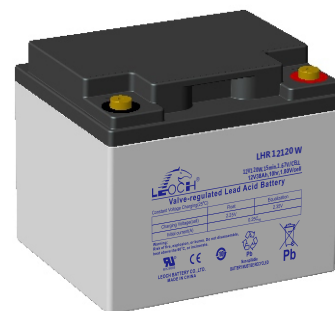
# LHR Seria-High Rate

## LHR12120W(12V120W)

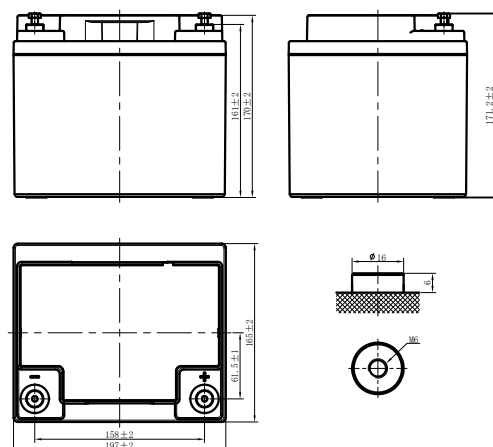


### Specyfikacja

|                                      |                     |                           |
|--------------------------------------|---------------------|---------------------------|
| Napięcie znamionowe                  | 12V                 |                           |
| Moc znamionowa (W, 1.67V/cell)       | 120W                |                           |
| Pojemność znamionowa (C, 1.80V/cell) | 38Ah                |                           |
| Wymiary                              | Długość             | 197±2mm (7.76 inches)     |
|                                      | Szerokość           | 165±2mm (6.50 inches)     |
|                                      | Wysokość            | 170±2mm (6.69 inches)     |
|                                      | Całkowita wysokość  | 170±2mm (6.69 inches)     |
| Waga                                 | 11.6 Kg (25.57 lbs) |                           |
| Terminal                             | M6                  |                           |
| Typ obudowy                          | ABS (UL94 V-0)      |                           |
| Pojemność (25°C)                     | 38.0 Ah             | (10hr, 3.80A, 1.80V/cell) |
|                                      | 35.3 Ah             | (8hr, 4.41A, 1.80V/cell)  |
|                                      | 33.5 Ah             | (5hr, 6.69A, 1.75V/cell)  |
|                                      | 30.3 Ah             | (3hr, 10.1A, 1.75V/cell)  |
|                                      | 24.5 Ah             | (1hr, 24.5A, 1.67V/cell)  |
| Maksymalny prąd rozładowania         | 500A                |                           |
| Rezystancja wew. (25°C)              | Approx. 10.0mΩ      |                           |
| Temperatura pracy                    | Rozładowanie        | -20 ~ 55°C (4 ~ 131°F)    |
|                                      | Ładowanie           | 0 ~ 40°C (32 ~ 104°F)     |
|                                      | Składowanie         | -15 ~ 50°C (5 ~ 122°F)    |
| Nominalny zakres pracy (temp.)       | 25±3°C (77±5°F)     |                           |
| Max. Prąd ładowania (25°C)           | 9.5A                |                           |
| Napięcie naładowania (25°C)          | Float               | 13.5V                     |
|                                      | Temp. Coefficient   | -3mV/cell/°C              |
|                                      | Equalization        | 14.1~14.4V                |
| Kompensacja temperaturowa            | 40°C (104°F)        | 106%                      |
|                                      | 25°C (77°F)         | 100%                      |
|                                      | 0°C (32°F)          | 86%                       |
| Samorozładowanie                     | ≤3%/mies. @ 25°C    |                           |



### Wymiary



### Stałoprądowa charakterystyka rozładowania (Ampery) at 25 °C (77°F)

| F.V/Czas   | 5min  | 10min | 15min | 20min | 30min | 45min | 1h   | 1.5h | 2h   | 3h   | 4h   | 5h   | 8h   | 10h  |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 71.8  | 57.3  | 49.7  | 39.1  | 27.6  | 26.8  | 21.0 | 15.6 | 12.6 | 9.35 | 7.40 | 6.26 | 4.32 | 3.70 |
| 1.80V/cell | 81.6  | 65.1  | 56.3  | 44.2  | 31.1  | 28.4  | 22.4 | 16.6 | 13.3 | 9.79 | 7.67 | 6.50 | 4.41 | 3.80 |
| 1.75V/cell | 88.7  | 70.6  | 61.0  | 47.7  | 33.4  | 29.6  | 23.3 | 17.2 | 13.8 | 10.1 | 7.92 | 6.69 | 4.46 | 3.82 |
| 1.70V/cell | 94.8  | 75.2  | 64.7  | 50.6  | 35.4  | 30.5  | 23.9 | 17.7 | 14.1 | 10.3 | 8.12 | 6.84 | 4.53 | 3.84 |
| 1.67V/cell | 98.1  | 77.6  | 66.6  | 52.0  | 36.3  | 31.3  | 24.5 | 18.1 | 14.5 | 10.6 | 8.22 | 6.93 | 4.58 | 3.90 |
| 1.60V/cell | 101.6 | 80.3  | 68.7  | 53.3  | 37.2  | 31.9  | 24.9 | 18.5 | 14.8 | 10.8 | 8.41 | 7.07 | 4.60 | 3.92 |

### Stalomicowa charakterystyka rozładowania (Watts/cell) at 25 °C (77°F)

| F.V/Czas   | 5min  | 10min | 15min | 20min | 30min | 45min | 1h   | 1.5h | 2h   | 3h   | 4h   | 5h   | 8h   | 10h  |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 134.1 | 107.8 | 94.1  | 74.3  | 52.7  | 51.6  | 40.7 | 30.3 | 24.4 | 18.3 | 14.5 | 12.3 | 8.58 | 7.35 |
| 1.80V/cell | 150.0 | 120.6 | 105.2 | 83.1  | 58.9  | 54.3  | 43.0 | 32.0 | 25.7 | 19.0 | 15.0 | 12.8 | 8.73 | 7.55 |
| 1.75V/cell | 160.1 | 128.7 | 112.3 | 88.7  | 62.9  | 56.1  | 44.6 | 33.1 | 26.6 | 19.6 | 15.4 | 13.1 | 8.80 | 7.57 |
| 1.70V/cell | 168.3 | 135.3 | 118.1 | 93.3  | 66.1  | 57.5  | 45.5 | 33.8 | 27.1 | 20.0 | 15.7 | 13.3 | 8.92 | 7.61 |
| 1.67V/cell | 171.0 | 137.5 | 120.0 | 94.8  | 67.2  | 58.7  | 46.4 | 34.4 | 27.7 | 20.3 | 15.9 | 13.5 | 9.00 | 7.72 |
| 1.60V/cell | 173.4 | 139.4 | 121.7 | 96.1  | 68.1  | 59.2  | 46.9 | 34.8 | 28.0 | 20.7 | 16.2 | 13.7 | 9.03 | 7.75 |



# LHR Seria-High Rate

## LHR12120W(12V120W)



### Aplikacje

- UPS
- Szpitale i laboratoria
- Oświetlenie awaryjne
- Urządzenia do sterowania procesami
- Bani i instytucje finansowe
- Data & Network Operation Centers

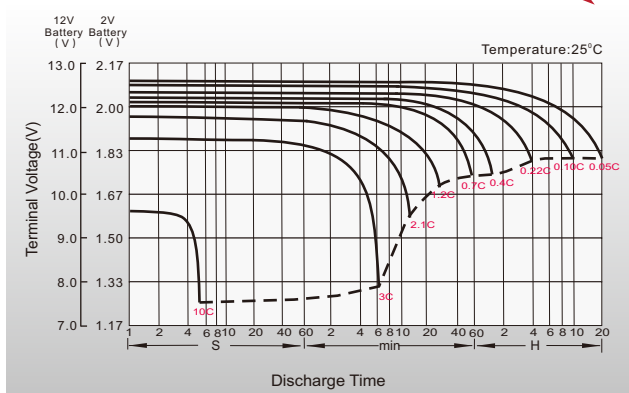
### Główne cechy

- Obudowa ABS: UL94 V-0
- Sprawność rekombinacji tlenu:  $\geq 98\%$
- Wysokiej jakości separator AGM wydłużający żywotność i zapobiegający zwarciom cel
- Unikalny projekt zaworów: redukuje utratę wody i zapobiega dostawaniu się powietrza do środka
- PbCaSn zmniejsza gazowanie, ogranicza samorozładowanie

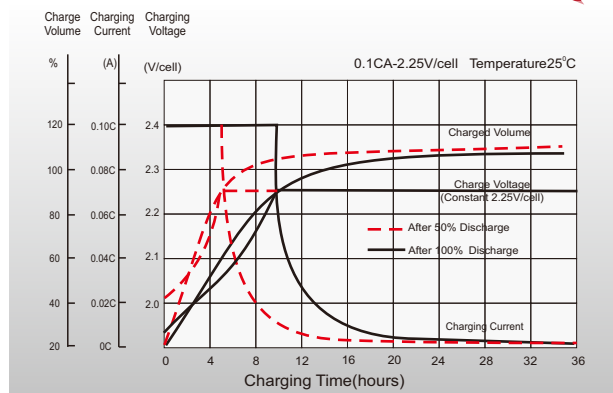
### Standardy

- Zgodnie ze standardem IEC 60896
- Klasyfikacja "Long Life" według Eurobat
- Certyfikat CE, UL
- Wyprodukowano w Leoch® zgodnie z certyfikatami IATF16949, OHSAS 18001, ISO 9001 i ISO 14001

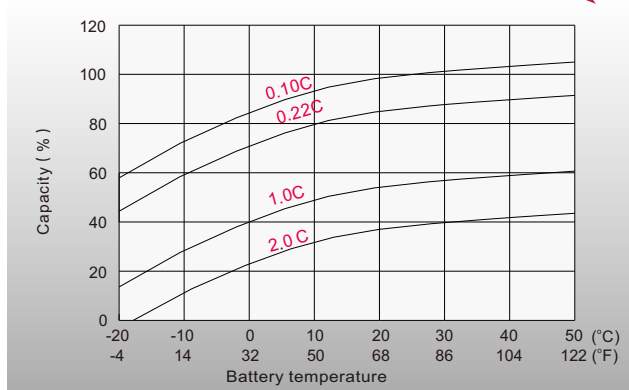
### Charakterystyka rozładowania



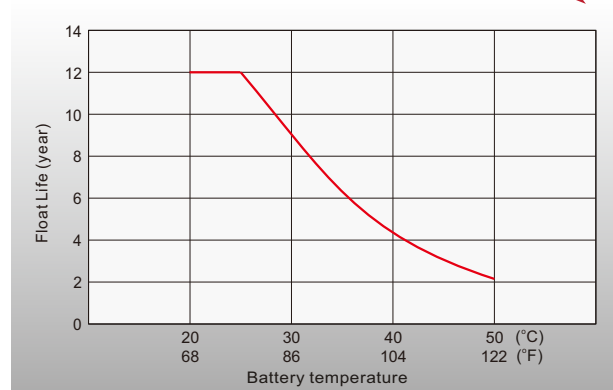
### Charakterystyka doładowywania



### Wpływ temperatury na czas rozładowywania



### Charakterystyka samorozładowania



## Biura sprzedaży

#### Polska

AG IT Project Sp. z o.o.  
Pasmugi 4, 21-345 Borki  
Tel: +48 601 869 159  
www.agitproject.pl  
E-mail: kontakt@agitproject.pl

#### North America Sales Office

19751 Descartes  
Foothill Ranch, CA 92610, USA  
Tel: 949-588-5853  
Fax: 949-588-5966  
E-mail: sales@leoch.us  
Http:// www.leoch.us

#### HongKong Sales Office

Workshop C, 33/F, TML Tower, No. 3 Hoi Shing Road,  
Tsuen Wan, New Territories, Hong Kong  
Tel: +852 35786666  
Fax: +44 1452 690125  
E-mail: sales.hk@leoch.com

#### UK Sales Office

9B Wheatstone Court, Waterwells, Business Park,  
Gloucester, GL2-2AQ, UK United Kingdom  
Tel: +44(0) 1452 729428 / 1452 729696  
Fax: +44 1452 690125  
E-mail: Sales.Europe@leoch.com  
Http:// www.leoch.eu

#### Singapore Sales Office

No. 1 Tech Park Crescent,  
Singapore 638131  
Tel: +65 68636078  
Fax: +65 6863 6079  
Email: sales.sg@Leoch.com

#### EMEA Sales Office

1 Deligiorgi St., 121 31 Athens,  
Greece  
Tel: +30 210 5760318 (2 lines)  
E-mail: support\_EMEA@leoch.com  
Http:// www.leoch.eu

#### Australia Sales Office

2 /29 Tarlington Place, Smithfield. NSW 2164  
Australia  
Tel: 02 9756 0950  
E-mail: sales.au@leoch.com

#### India Sales Office

Shed no. A-53(b), 2nd Stage of Peenya Industrial Area,  
Bangalore North Taluk, Bangalore-560058, India  
Tel: +91-80-23440018/23440019  
Fax: +91-80-23440017  
E-mail: indiasales@leoch.com



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