

Ultra High Energy Type

26Ah Lithium ion Battery

UL, UN Certified



- › High energy density (249Wh/kg and 573Wh/L)
- › High gravimetric and volumetric power density
- › Excellent power-to-energy balance
- › Long cycle and calendar life (3,000 cycles and up to 15 years*)

*Depending on the load profile, the warranty condition may differ

Electrical Characteristics

Model: SLPB080085270

| Items | | Specification | Remarks | |
|---------------------------------|-----------------|----------------|---|---------------------------------|
| Nominal Capacity (Ah) | | 26 | Charge @0.1C, 25±3°C Discharge @0.1C, 25±3°C | |
| Nominal Energy (Wh) | | 95.4 | | |
| Energy Density | Gravity (Wh/kg) | 249 | | |
| | Volume (Wh/L) | 573 | Excluded tab and seal | |
| Internal Resistance (mΩ) / Max. | | 1.6 | AC@1kHz, SOC 30±5% | |
| Weight (g) / Max | | 387 | | |
| Cell Dimension (mm) | Width | 99 | Unfolded | |
| | Length | 275 | Excluded tab length | |
| | Thickness | 7.9 | 0.5kgf/cm ² , SOC 30±5% | |
| Voltage (V) | Average | 3.67 | | |
| | Lower Limit | 2.7 | | |
| | Upper Limit | 4.2 | | |
| Current (A) | Charge | Cont. | 26 (1C) | @25±3°C |
| | | Cont. | 52 (2C) | @25±3°C |
| | Discharge | Peak | 104 (4C) | ≤ 10 sec, ≥ SOC 50% |
| Cycle Life at 90% DOD | | 1C/1C | ≥ 3,000 | @25±3°C, 70% remaining capacity |
| Certification | | UL1642, UN38.3 | | |

Common Specifications*

| | | | |
|-------------------------|------------|----------|---------------------------|
| Charging Temperature | 0 ~ 10°C | < 0.2C | Pre-charging range |
| | 10 ~ 35°C | < 1.0C | Rapid charging range |
| | 35 ~ 45°C | < 0.5C | Charging range |
| Discharging Temperature | -20 ~ 55°C | | |
| Storage Temperature | -20 ~ 25°C | 1 year | @60±25% R.H. SOC 50±5% |
| | -20 ~ 35°C | 6 months | |
| | -20 ~ 45°C | 3 months | |
| | -20 ~ 60°C | < 1 week | |

*Customers shall consult Kokam if temperature condition is outside the range in which cyclic operation is allowed.

*Customers shall review and understand the cell safe handling guideline prior to using the cell.

DISCLAIMERS OF WARRANTIES:

All materials and services on this document are provided "as is" without warranty of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability or fitness for a particular purpose, or the warranty of non-infringement. This document could include technical or other mistakes, inaccuracies or typographical errors. Kokam assumes no responsibility for errors or omissions in the information, documents, software, materials and/or services which are referenced by or linked to this document. Kokam does not grant any express or implied right to any person or business entity under any patents, copyrights, trademarks, or trade secret information with respect to the materials and services. No portion of the information or documents may be reproduced in any form or by any means without the prior written consent of kokam. In no event shall kokam be liable to any person or business entity for any special, punitive, incidental, indirect or consequential damages based on any use of this document.