WASTE BATTERY PREVENTION & END-OF-LIFE MANAGEMENT GUIDE

Regulation (EU) 2023/1542 - Article 74(1)(a)-(f) & Annex XIII Pt 1(s)

Mandatory end-user and waste-treatment operator safety & collection instructions.

1. Product & Battery Passport Identification

DoC Reference No.: EU-WASTE-06972026111402-SN-LMT-2026110999
Battery Model: Nanshan Pro 48V 20Ah E-Bike Lithium-Ion Battery Pack (Model: SZ-LMT-4820) (SZ-LMT-4820 / Batch 202608-DE-V2 / SN-LMT-2026110999)
Statutory Category: LMT
GS1 GTIN (01): 06972026111402 | Serial Number (21): SN-LMT-2026110999
GS1 Digital Link (UPI): https://id.sherlock-dbp.eu/01/06972026111402/21/SN-LMT-2026110999
Place / Date of Manufacture: Baoan Automated Pack Line 4, Shenzhen, Guangdong, China (2026-08)
Responsible Operator (Art. 77(4)): EuroRep GmbH (DE4981203948102)
Postal Address: Hanauer Landstraße 291, 60314 Frankfurt am Main, Germany

(a) End-User Contribution to Waste Prevention

Store at 40-60% SoC when unused for >30 days; use only the OEM 54.6V CC/CV charger.

(b) Separate Collection Duties of End-Users

Mandatory separate collection at municipal e-waste points or participating e-bike dealers.

(c) Take-Back Networks, Second-Life Preparation & Recycling

Return via any EU e-bike retail partner or national PRO drop-off (Bebat / GRS / Corepile).

(d) Safety Instructions & Approved Extinguishing Media

Extinguishing Agents (#14): Copious water spray / immersion tank for thermal runaway cooling, Class D dry powder
Insulate terminals prior to transport; never open housing or immerse damaged cells indoors.

(e) Meaning of Separate Collection & Heavy-Metal Symbols

Separate Collection Symbol (Art. 13(4)): Crossed-out wheeled bin symbol affixed per Art. 13(4)
Cd / Pb Marking (Art. 13(5)): None required (Cd < 0.0005%, Pb < 0.001%)

(f) Hazardous Substances Impact on Health & Environment

Substances Present (#13): Lithium hexafluorophosphate (LiPF6, CAS 21324-40-3); Dimethyl carbonate (CAS 616-38-6)
Battery cells contain lithium salts and organic carbonates that pose environmental and thermal hazards if mishandled.