

Ultralife Cell and Battery Lithium Weights and Transportation Classifications

NOTE: All Cells and Batteries listed in this document have passed the UN Transportation Tests T1-T8

NON-RECHARGEABLE: Lithium Cells and Batteries

Cell/Battery Model Number	Part Number	Lithium ⁽¹⁾ Content (Grams)	Energy (Wh)	Transportation Classification ⁽²⁾
Cylindrical Cells				
U10009 – U10012	U10009 – U10012	1.10	N/A	Class 9 U.S. and International
U10013 – U10016	U10013 – U10016	3.33	N/A	
U10017 – U10020	U10017 – U10020	1.44	N/A	
U10021 – U10024	U10021 – U10024	1.83	N/A	
U10025	U10025	1.44	N/A	
U10026	U10026	4.80	N/A	
U2550HCE-CF-UFA	U2550HCE-CF-UFA	1.50	N/A	
Thin Cells				
U10004	U10004	0.61	N/A	Excepted from regulations for packages with gross mass of 2.5kg or less
U10007	U10007	0.14	N/A	
Cylindrical Cell Batteries				
1/2 AA	UB1426	0.20	N/A	Excepted from regulations for packages with gross mass of 2.5kg or less
BA-5372	UB1733	0.40	N/A	
BA-5367	UB0006	0.50	N/A	
BA-5368	UB2776	1.60	N/A	
BA-5347	UB0016	6.66	N/A	Class 9 International and within US unless shipped by motorcar or rail within the US
Type 5380	UB0009	6.66	N/A	
Sophie	U2560E-5-27	9.15	N/A	Class 9 U.S. and International
BA-5390	UB0001	34.00	N/A	
BA-5390A	UB0021	34.00	N/A	
9-Volt Batteries				
U9VL-J	U9VL-J	1.35	N/A	Excepted from regulations for packages with gross mass of 2.5kg or less
U9VL / U9VL-FP	U9VL / U9VL-FP	1.35	N/A	
U9VL-X / U9VL-BP	U9VL-X / U9VL-BP	1.35	N/A	

RECHARGEABLE: Lithium Ion Cells and Batteries

Cell/Battery Model Number	Part Number	Equivalent Lithium Content (Grams) ⁽¹⁾	Energy (Wh)	Transportation Classification ⁽²⁾
Lithium Ion Cells				
UBP103450	UBP001	0.51	6.5	Excepted from regulations for packages with gross mass of 10kg or less
UBP053450	UBP002	0.27	3.4	
Lithium Ion Batteries				
UBBP01	UBBP01	0.54	6.8	Excepted from regulations for packages with gross mass of 10kg or less
UBBL04	UBBL04	3.96	49.5	
UBBL07	UBBL07	1.98	26	
UBBL08 (LI-80)	UBBL08	6.96	83.5	
UBBL14	UBBL14	2.88	35.5	
UBBL19	UBBL19	0.72	8.6	
UBBL20	UBBL20	1.44	17.3	
UBBL21	UBBL21	2.16	26	
UBBL22	UBBL22	2.88	34.6	
UBBL23	UBBL23	1.44	17.3	
UBBL24	UBBL24	2.88	34.6	
UBBL25	UBBL25	4.32	51.8	
UBBL26	UBBL26	5.76	69	
LWC-L	UBBL01	10.56	134	
UBI-2590	UBBL02	17.28	207	
UBBL03 (LI7 Type)	UBBL03	11.52	134	
UBBL06 (LI-145)	UBBL06	11.52	144	
UBBL09	UBBL09	17.28	213	
UBI-2590 SMBus	UBBL10	17.28	207	
UBBL12	UBBL12	8.64	104	
UBI-2590/HC SMBus	UBBL13	20.88	250	

(1) Equivalent lithium content for lithium ion and lithium polymer cells and batteries is calculated in grams on a per cell basis to be 0.3 times the rated capacity in ampere hours. The equivalent lithium content for a battery or battery pack is the rated capacity in ampere-hours for single cell multiplied by 0.3 and then multiplied by the number of cells in the battery.

(2) Note: The classification "Excepted from regulations" means that the product does not have to be packaged or shipped as a Class 9 hazardous material. However, for both "excepted" and "Class 9" products, there are various packaging, marking, labeling and shipping paper requirements based on lithium weight, equivalent lithium weight, energy content, cell or battery quantity and net or gross package weight, details of which are too numerous to include in the above tables. For a complete description of transportation regulations and explanations of the transportation classifications, "Excepted" and "Class 9," refer to Ultralife's web site at:

[Ultralife Transportation Regulations and Information](#)