

ULTRALIFE CELL AND BATTERY

LITHIUM WEIGHTS AND TRANSPORTATION CLASSIFICATIONS

NON-RECHARGEABLE CELLS							Air Transportation Regulation ⁽¹⁾				
	Model Name	Part Number	Regulated By	Lithium Content	Energy	Dangerous Goods Classification	Loosely Packed	Packaged With or Contained In Equipment	Carry On	Checked In Baggage	
THIN CELL	CP124920	CP124920	Lithium Content	≤ 0.3g	n/a	Excepted	UN3090 Packing Instruction 968, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 2.5kg net weight, one package only.	UN3091 Packing Instruction 969 or 970, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO	
	CP502520	CP502520									
	CP243238	CP243238									
	CP224143	CP224143		> 0.3g ≤ 1g							
	CP502537	CP502537									
	CP403838	CP403838									
CR CYLINDRICAL	CR123A	CR123A	Lithium Content	> 0.3g ≤ 1g	n/a	Excepted	UN3090 Packing Instruction 968, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than eight cells and one package. ⁽²⁾	UN3091 Packing Instruction 969 or 970, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO	
	CR17335 2/3A-Spiral	CR17335; CR17335-10; CR17335-10-PTC									
	CR17335SE 2/3A-Bobbin	CR17335SE									
	UHR-CR15270 CR2-Spiral	CR15270		≤ 0.3g							
	UHR-CR14250	UB1426									
	BA-5367/U	UB0006									
	UHR-CR19650	U10009; U10010; U10011; U10012		> 0.3g ≤ 1g							
	UHR-CR34610	U10013; U10014; U10015; U10016; U10026									
	UHR-CR26500	U10017; U10018; U10019; U10020									
	MIDS C-Size	U10025		> 1g			Class 9	UN3090 Packing Instruction 968, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package.	UN3091 Packing Instruction 969 or 970, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	YES - 8g LC and two spares max.	NO
	UHR-CR26650	U10027									
	UHR-CR34610 TSO Certified	U10028; U10028-T1; U10029; U10029-T1									
ER CYLINDRICAL	UHE-ER14250	ER14250	Lithium Content	> 0.3g ≤ 1g	n/a	Excepted	UN3090 Packing Instruction 968, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than eight cells and one package. ⁽²⁾	UN3091 Packing Instruction 969 or 970, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO	
	UHE-ER14505 AA-Bobbin	ER14505									
	UHR-ER14505M AA-Spiral	ER14505M									
	UHE-ER18505 A-Bobbin	ER18505		> 1g		Class 9	UN3090 Packing Instruction 968, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package.	UN3091 Packing Instruction 969 or 970, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	YES - 8g LC and two spares max.	NO	
	UHR-ER18505M A-Spiral	ER18505M									
	UHE-ER26500 C-Bobbin	ER26500									
	UHR-ER26500M C-Spiral	ER26500M									
	UHE-ER34615 D-Bobbin	ER34615									
	UHR-ER34615M D-Spiral	ER34615M									

NON-RECHARGEABLE CELLS cont'd

							Air Transportation Regulation ⁽¹⁾		Airline Passenger Travel	
	Model Name	Part Number	Regulated By	Lithium Content	Energy	Dangerous Goods Classification	Loosely Packed	Packaged With or Contained In Equipment	Carry On	Checked In Baggage
BLEND CELLS	UHR-XR19650	UHR-XR19650; UHR-XR19650-T1	Lithium Content	> 1g	n/a	Class 9	UN3090 Packing Instruction 968, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package.	UN3091 Packing Instruction 969 or 970, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	YES - 8g LC and two spares max.	NO
	UHR-XR26500	UHR-XR26500; UHR-XR26500-T1								
	UHR-XR26650	UHR-XR26650; UHR-XR26650-T1								
	UHR-XR34610	UHR-XR34610; UHR-XR34610-T1								
	UB123A	UB123A	Lithium Content	> 0.3g ≤ 1g	n/a	Excepted	UN3090 Packing Instruction 968, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than eight cells and one package. ⁽²⁾	UN3091 Packing Instruction 969 or 970, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO
	XR123A	XR123A								

NON-RECHARGEABLE BATTERIES

							Air Transportation Regulation ⁽¹⁾		Airline Passenger Travel	
	Model Name	Part Number	Regulated By	Lithium Content	Energy	Dangerous Goods Classification	Loosely Packed	Packaged With or Contained In Equipment	Carry On	Checked In Baggage
9 VOLT	U9VL-J-P	U9VLJPBK; U9VLJPBKNC; U9VLJPPF; U9VLJPBP; U9VLJPX; U9VLJPXC; U9VLJP10; U9VLJP10CP; U9VLJPPF6	Lithium Content	> 0.3g ≤ 1g	n/a	Excepted	UN3090 Packing Instruction 968, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than two batteries and one package. ⁽³⁾	UN3091 Packing Instruction 969 or 970, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO
MILITARY	BA-5372/U	UB1733	Lithium Content	≤ 0.3g	n/a	Excepted	UN3090 Packing Instruction 968, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 2.5kg net weight, one package only.	UN3091 Packing Instruction 969 or 970, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO
	BA-5368/U	UB2776		> 0.3g ≤ 2g			UN3090 Packing Instruction 968, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than two batteries and one package. ⁽³⁾			
	UBI-5390A/U Li-MnO ₂	UB0023								
	UBI-5795 Li-CF _x / MnO ₂	UB0031	Lithium Content	> 2g	n/a	Class 9	UN3090 Packing Instruction 968, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package.	UN3091 Packing Instruction 969 or 970, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	YES - 8g LC and two spares max.	NO
	UBI-5790 Li-CF _x / MnO ₂	UB0032								
	BA-5790 Full Size SMBus	UB0036								
	BA-5347/U	UB0016								
	BA-5380/U	UB2777								
	CS0032 1/3 M1	CS0032								
	CS0033 2/3 M1	CS0033								
	CS0034 M1	CS0034								
LM-145	UB0020									
TELEMATICS	UB0029	UB0029								
	UB0030	UB0030								
	UKT0036	UKT0036								

RECHARGEABLE BATTERIES

						Air Transportation Regulation ⁽¹⁾		Airline Passenger Travel		
						Loosely Packed	Packaged With or Contained In Equipment	Carry On	Checked In Baggage	
Model Name	Part Number	Regulated By	Lithium Content	Energy	Dangerous Goods Classification					
LI-ION SOFT PACKS	UBBL07	UBBL07	Energy	n/a	≤ 100Wh	Excepted	UN3480 Packing Instruction 965, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than two batteries and one package. ^{(4)/(5)}	UN3481 Packing Instruction 966 or 967, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO
	UBBL19	UBBL19-FL; UBBL19-C1								
	UBBL20	UBBL20-FL; UBBL20-C1								
	UBBL21	UBBL21-FL; UBBL21-C1								
	UBBL22	UBBL22-FL; UBBL22-C1								
	UBBL23	UBBL23-FL; UBBL23-C1								
	UBBL24	UBBL24-FL; UBBL24-C1; UBBL24-FL-TH; UBBL24-C2-TH								
	UBBL25	UBBL25-FL; UBBL25-C1								
	UBBL26	UBBL26-FL; UBBL26-C1								
	UBBL34	UBBL34-01; UBBL34-02								
	UBBL37	UBBL37-FL; UBBL37-C1								
	UBBL39	UBBL39-FL; UBBL39-C1								
	UBP001	UBP001								
	UBP002	UBP002								
UBBP01	UBBP01									
UBBP06	UBBP06									
LEAD ACID REPLACEMENT	URB6450	URB6450	Energy	n/a	≤ 100Wh	Excepted	UN3480 Packing Instruction 965, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than two batteries and one package. ^{(4)/(5)}	UN3481 Packing Instruction 966 or 967, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO
	URB1270	URB1270			> 100Wh	Class 9	UN3480 Packing Instruction 965, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. ⁽⁴⁾	UN3481 Packing Instruction 966 or 967, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	YES - 160Wh and two spares max.	NO
	URB12200	URB12200								
	URB12350	URB12350								
	URB12550	URB12550								
	URB12550-22NF	URB12550-22NF								
	URB121000	URB121000								
	URB12400-U1-SMB	URB12400-U1-SMB								

RECHARGEABLE BATTERIES

							Air Transportation Regulation ⁽¹⁾		Airline Passenger Travel	
	Model Name	Part Number	Regulated By	Lithium Content	Energy	Dangerous Goods Classification	Loosely Packed	Packaged With or Contained In Equipment	Carry On	Checked In Baggage
UBI-2590 PRODUCTS	UBI-2590/U	UBBL02-01	Energy	n/a	> 100Wh	Class 9	UN3480 Packing Instruction 965, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. ⁽⁴⁾	UN3481 Packing Instruction 966 or 967, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	YES - 160Wh and two spares max.	NO
	UBI-2590/U Commercial	UBBL02-01-CB								
	UBI-2590 12V/24V SMBus	UBBL09/B								
	UBI-2590 SMBus Immersion Proof	UBBL10/B								
	UBI-2590/U SMBus	UBBL10-01								
	UBI-2590/U SMBus Commercial	UBBL10-01-CB								
	UBI-2590/U High Capacity SMBus	UBBL13-01								
	UBI-2590/U High Capacity SMBus Commercial	UBBL13-01-CB								
	UBI-2590 No SOCl or SMBus	UBBL18								
	HF Bowman Battery	UBBL31								
	UBI-2590SF Single Voltage, SMBus	UBBL36								
	UBI-2590 SMBus, Low Capacity	UBBL38			<= 100Wh	Excepted	UN3480 Packing Instruction 965, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than two batteries and one package. ⁽⁴⁾⁽⁵⁾	UN3481 Packing Instruction 966 or 967, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO
UBI-2590SF Dual Voltage, SMBus	UBBL62									
LAND WARRIOR PRODUCTS	LI-7 SMBus	UBBL03	Energy	n/a	> 100Wh	Class 9	UN3480 Packing Instruction 965, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. ⁽⁴⁾	UN3481 Packing Instruction 966 or 967, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	YES - 160Wh and two spares max.	NO
	LI-145 SMBus	UBBL06								
	LI-175 High Capacity SMBus	UBBL06-01								
	LI-200 SMBus	UBBL06-02								
	LI-80 SMBus	UBBL08			<= 100Wh	Excepted	UN3480 Packing Instruction 965, Section II Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than two batteries and one package. ⁽⁴⁾⁽⁵⁾	UN3481 Packing Instruction 966 or 967, Section II Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	YES - No limit	NO
	LI-100 SMBus	UBBL08-01								
Conformal Wearable	UBBL35	> 100Wh	Class 9	UN3480 Packing Instruction 965, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. ⁽⁴⁾	UN3481 Packing Instruction 966 or 967, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	YES - 160Wh and two spares max.	NO			
POWER SYSTEMS	Multi-kilowatt Module	URB0001-SMB; URB0003-SMB	Energy	n/a	> 100Wh	Class 9	UN3480 Packing Instruction 965, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. ⁽⁴⁾	UN3481 Packing Instruction 966 or 967, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	YES - 160Wh and two spares max.	NO
	Medical Cart Battery	URB0012								

NOTES:

- (1) This is not an exhaustive list and only summarizes IATA Dangerous Goods Regulations (DGR). Shippers should note that IATA DGR publishes many State and Operator variations and there may be additional regulatory controls such as ICAO and national hazardous material regulations.
- (2) Shipments of loosely packed cells that exceed the package limitations of Packing Instruction 968, Section II must be shipped under Packing Instruction 968, Section IB as Class 9 Dangerous Goods. Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 2.5kg net weight per package.
- (3) Shipments of loosely packed batteries that exceed the package limitations of Packing Instruction 968, Section II must be shipped under Packing Instruction 968, Section IB as Class 9 Dangerous Goods. Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 2.5kg net weight per package.
- (4) Batteries must be shipped with a maximum state of charge of 30%.
- (5) Shipments of loosely packed batteries that exceed the package limitations of Packing Instruction 965, Section II must be shipped under Packing Instruction 965, Section IB as Class 9 Dangerous Goods. Limitations: Passenger aircraft = forbidden. Cargo only aircraft = 10kg net weight per package.



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