ULTRALIFE CELL AND BATTERY LITHIUM WEIGHTS AND TRANSPORTATION CLASSIFICATIONS

NOI	N-RECHARGEAB	LE CELLS			Air Transportation Regulation ⁽¹⁾		Airline Passenge 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
	CP124920	CP124920					UN3090 Packing Instruction 968, Section II			
_	CP502520	CP502520		$\leq 0.3g$	ļ ,		Limitations: Passenger aircraft = Forbidden. Cargo			
CELL	CP243238	CP243238	Lithium				only aircraft = 2.5 kg net weight, one package only.	UN3091 Packing Instruction 969 or 970, Section II	YES	
THIN	CP224143	CP224143	Content -		n/a	Excepted	UN3090 Packing Instruction 968, Section II	Limitations: Passenger and Cargo only	- No limit	NO
⊨	CP502537	CP502537		> 0.3g < 1g			Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than eight cells and one	aircraft = 5kg net weight per package.		
	CP403838	CP403838		≤ 1g			package. ⁽²⁾			
	CR123A	CR123A	Lithium Content		g n/a		UN3090 Packing Instruction 968, Section II			
	CR17335 2/3A-Spiral	CR17335; CR17335-10; CR17335-10-PTC		> 0.3g ≤ 1g			Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than eight cells and one	UN3091 Packing Instruction 969 or 970, Section II		NO
	CR17335SE 2/3A-Bobbin	CR17335SE					package. ⁽²⁾			
	UHR-CR15270 CR2-Spiral	CR15270				Excepted	UN3090 Packing Instruction 968, Section II		YES	
AL	UHR-CR14250	UB1426		≤ 0.3g		Excoprod	Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 2.5kg net weight, one package only.	Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	- No limit	
CYLINDRICAL	BA-5367/U	UB0006		> 0.3g			UN3090 Packing Instruction 968, Section II Limitations: Passenger aircraft = Forbidden. Cargo			
SYLI	UHR-CR19650	U10009; U10010; U10011; U10012		$\leq 1 \text{g}$			only aircraft = No more than eight cells and one package. ⁽²⁾			
CR (UHR-CR34610	U10013; U10014; U10015; U10016; U10026				Class 9	UN3090 Packing Instruction 968, Section IA Sec Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. we	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-CR26500	U10017; U10018; U10019; U10020		> 1g						
	MIDS C-Size	U10025								
	UHR-CR26650	U10027								
	UHR-CR34610 TSO Certified	U10028; U10028-T1; U10029; U10029-T1								
	UHE-ER14250	ER14250					UN3090 Packing Instruction 968, Section II	UN3091 Packing Instruction 969 or 970,		
	UHE-ER14505 AA-Bobbin	ER14505		> 0.3g ≤ 1g		Excepted	Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = No more than eight cells and one	Section II Limitations: Passenger and Cargo only	YES - No limit	NO
CAL	UHR-ER14505M AA-Spiral	ER14505M		≤ 1g			package. ⁽²⁾	aircraft = 5 kg net weight per package.	- NO IIIIII	
RII	UHE-ER18505 A-Bobbin	ER18505								
CYLINDRICAL	UHR-ER18505M A-Spiral	ER18505M	Lithium Content					UN3091 Packing Instruction 969 or 970,	YES	
CYL	UHE-ER26500 C-Bobbin	ER26500	Contoint	< 1 <i>a</i>		Class 9	UN3090 Packing Instruction 968, Section IA Limitations: Passenger aircraft = Forbidden. Cargo	Section I Limitations: Passenger aircraft = 5kg net	- 8g LC and two	NO
ER	UHR-ER26500M C-Spiral	ER26500M		>1g			Clinitations: Passenger and rank = Porbloben. Cargo only aircraft = 35kg net weight per package.	weight per package. Cargo only aircraft $=$	spares	NU
	UHE-ER34615 D-Bobbin	ER34615						35kg net weight per package.	max.	
	UHR-ER34615M D-Spiral	ER34615M								

NOI	N-RECHARGEAB	LE CELLS cont'd					Air Transportation Regulation ⁽¹⁾		Airline Passenge 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
	UHR-XR19650	UHR-XR19650; UHR-XR19650-T1		> 1g > 0.3g ≤ 1g	n/a	Class 9 Excepted	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.	- 8g LC and two = spares max. , YES - No limit	
S	UHR-XR26500	UHR-XR26500; UHR-XR26500-T1								NO
CELL	UHR-XR26650	UHR-XR26650; UHR-XR26650-T1	Lithium							NO
BLEND	UHR-XR34610	UHR-XR34610; UHR-XR34610-T1	Content							
B	UB123A	UB123A					UN3090 Packing Instruction 968, Section II Limitations: Passenger aircraft = Forbidden. Cargo	UN3091 Packing Instruction 969 or 970, Section II		NO
	XR123A	XR123A				Excepted	only aircraft = No more than eight cells and one package. $\ensuremath{^{(2)}}$	Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.		NU
NO									Airline P	assenger
NUI	N-RECHARGEAB	LE RAI IEKIE?					Air Transportation Regulation ⁽¹⁾			avel
	Model Name	Part Number	Regulated	Lithium	Fnorm	Dangerous Goods	Loosely Packed	Packaged With or Contained In	Carry On	Checked

	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
110V 6	U9VL-J-P	U9VLJPBK; U9VLJPBKNC; U9VLJPFP; U9VLJPBP; U9VLJPX; U9VLJPXC; U9VLJP10; U9VLJP10CP; U9VLJPFP6	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
	BA-5372/U	UB1733		≤ 0.3g	gg n∕a	n/a Class 9	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	
	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⁾			NO
	UBI-5390A/U Li-MnO ₂	UB0023						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.	
MILITARY	UBI-5795 Li-CF _x / MnO ₂	UB0031	Lithium Content							
	UBI-5790 Li-CF _x / MnO ₂	UB0032					UN3090 Packing Instruction 968, Section IA Sec Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. we			
Σ	BA-5790 Full Size SMBus	UB0036								
	BA-5347/U	UB0016		> 2g						NO
	BA-5380/U	UB2777								NO
	CS0032 1/3 M1	CS0032								
	CS0033 2/3 M1	CS0033								
	CS0034 M1	CS0034								
	LM-145	UB0020								
rics	UB0029	UB0029			n/a		UN3090 Packing Instruction 968, Section IA	UN3091 Packing Instruction 969 or 970, Section I	YES - 8g LC	
TELEMATICS	UB0030	UB0030	Lithium Content	> 2g		Class 9	Limitations: Passenger aircraft = Forbidden. Cargo	Limitations: Passenger aircraft = 5kg net	and two	NO
TELI	UKT0036	UKT0036					only aircraft = 35kg net weight per package.	weight per package. Cargo only aircraft = 35kg net weight per package.	spares max.	

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RE	CHARGEABLE BA	TTERIES			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
	UBBL07	UBBL07								
	UBBL19	UBBL19-FL; UBBL19-C1								
	UBBL20	UBBL20-FL; UBBL20-C1								
	UBBL21	UBBL21-FL; UBBL21-C1	Energy							
	UBBL22	UBBL22-FL; UBBL22-C1		n/a						
	UBBL23	UBBL23-FL; UBBL23-C1								
CKS	UBBL24	UBBL24-FL; UBBL24-C1; UBBL24-FL-TH; UBBL24-C2-TH			≤ 100Wh		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	
SOFT PACKS	UBBL25	UBBL25-FL; UBBL25-C1								
N SOI	UBBL26	UBBL26-FL; UBBL26-C1								NO
LI-ION	UBBL34	UBBL34-01; UBBL34-02								
	UBBL37	UBBL37-FL; UBBL37-C1								
	UBBL39	UBBL39-FL; UBBL39-C1								
	UBP001	UBP001								
	UBP002	UBP002								
	UBBP01	UBBP01								
	UBBP06	UBBP06								
	URB6450	URB6450			10014		UN3480 Packing Instruction 965, Section II Limitations: Passenger aircraft = Forbidden. Cargo	UN3481 Packing Instruction 966 or 967, Section II	YES	
IN	URB1270	URB1270			$\leq 100 \text{Wh}$	Excepted	only aircraft = No more than two batteries and one package. $^{\scriptscriptstyle(4)(5)}$	Limitations: Passenger and Cargo only aircraft = 5kg net weight per package.	- No limit	NO
CEME	URB12200	URB12200						UN3481 Packing Instruction 966 or 967, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.		
EPLA	URB12350	URB12350	Fnorm	n/a	> 100Wh				YES - 160Wh and two spares max.	NO
SID R	URB12550	URB12550	Energy	11/ d		0 2261	UN3480 Packing Instruction 965, Section IA			
LEAD ACID REPLACEMEN	URB12550-22NF	URB12550-22NF				Class 9	Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. ⁽⁴⁾			
LE	URB121000	URB121000						oons not not an por paurage.	max.	
	URB12400-U1-SMB	URB12400-U1-SMB								

RE	CHARGEABLE BA	TTERIES			Air Transportation Regulation ⁽¹⁾		Airline Passenge 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/U	UBBL02-01	_							
	UBI-2590/U Commercial	UBBL02-01-CB								
	UBI-2590 12V/24V SMBus	UBBL09/B								
	UBI-2590 SMBus Immersion Proof	UBBL10/B	Energy							
S	UBI-2590/U SMBus	UBBL10-01				Class 9	UN3480	UN3481	YES -	
ODUCI	UBI-2590/U SMBus Commercial	UBBL10-01-CB			> 100Wh		Packing Instruction 965, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. ⁽⁴⁾ Packing Instruction 966 or 967, Section I Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	Limitations: Passenger aircraft = 5kg net	160Wh and two	NO
UBI-2590 PRODUCTS	UBI-2590/U High Capacity SMBus	UBBL13-01		n/a					spares max.	
	UBI-2590/U High Capacity SMBus Commercial	UBBL13-01-CB								
	UBI-2590 No SOCI or SMBus	UBBL18								
	HF Bowman Battery	UBBL31								
	UBI-2590SF Single Voltage, SMBus	UBBL36								
	UBI-2590 SMBus, Low Capacity	UBBL38			10014	Evented	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	
	UBI-2590SF Dual Voltage, SMBus	UBBL62			≤ 100Wh	Excepted		Limitations: Passenger and Cargo only	- No limit	NO
	LI-7 SMBus	UBBL03			> 100Wh	Class 9	UN3480 Packing Instruction 965, Section IA Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. ⁽⁴⁾	YES -		
IS	LI-145 SMBus	UBBL06							160Wh and two spares	NO
PRODUCTS	LI-175 High Capacity SMBus	UBBL06-01						weight per package. Cargo only aircraft =		NO
ROI	LI-200 SMBus	UBBL06-02					UN3480 Packing Instruction 965, Section II UN3481	35kg net weight per package.	YES - No limit	t NO
RRIOR P	LI-80 SMBus	UBBL08	Energy	n/a	≤ 100Wh	Excepted		Packing Instruction 966 or 967, Section II		
VARF	LI-100 SMBus	UBBL08-01							no min	
LAND WA	Conformal Wearable	UBBL35				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
SYSTEMS	Multi-kilowatt Module	URB0001-SMB; URB0003-SMB	F actoria	n/a	> 100Wh	Class 9	UN3480 Packing Instruction 965, Section IA	UN3481 Packing Instruction 966 or 967, Section I	YES - 160Wh	NO
POWER S	Medical Cart Battery	URB0012	– Energy	11/ a			Limitations: Passenger aircraft = Forbidden. Cargo only aircraft = 35kg net weight per package. ⁽⁴⁾	Limitations: Passenger aircraft = 5kg net weight per package. Cargo only aircraft = 35kg net weight per package.	and two spares max.	NU

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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