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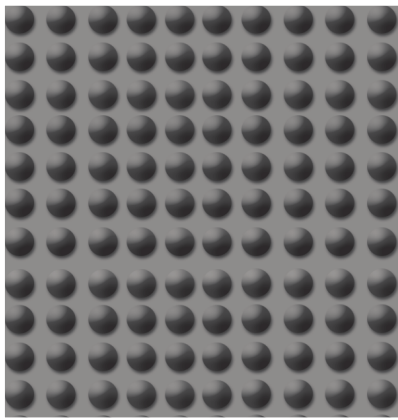
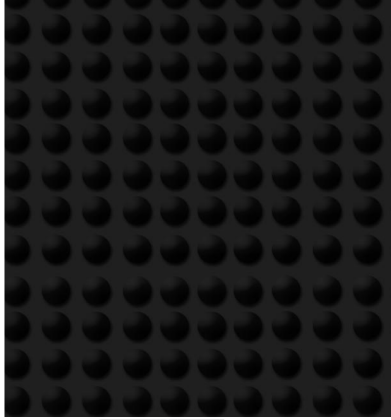
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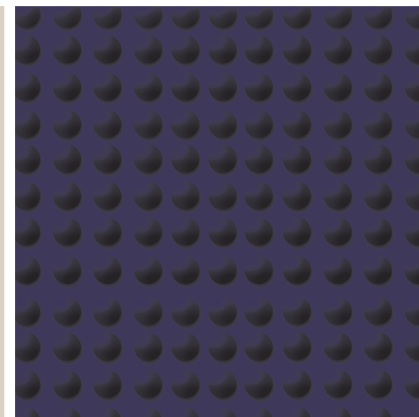
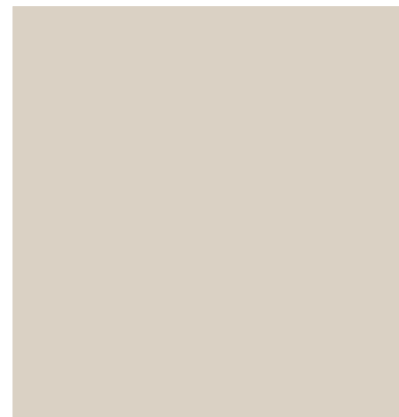
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WHERE QUALITY IS #1  
**+W&W-**  
 MANUFACTURING CO.



**chargers & powerpac+**

OEM  
**SCANNER BATTERIES**



ANALYZERS/CONDITIONERS



Two-Way  
 Batteries





The staff at W&W Manufacturing Co., would like to take this time to thank our customers, for making us one of the worlds leading manufacturers of replacement batteries and related

electronic test equipment, battery analyzers/conditioners and battery chargers in the industry.


We have long subscribed to the premise that we can best serve our customers by providing a one-stop shopping company. This has been accomplished by being "First to Market" with new products. The concept of "First to Market," has given W&W Manufacturing, the largest selection of after market batteries in the industry to date. Some of the many companies we have chosen to build our replacement batteries for are: Icom, Kenwood, GE, Motorola, Yaesu, Tait, Standard, Uniden, Maxon, etc.


The concept of "Where Quality Comes First" is demonstrated in many ways, for example in our manufacturing of batteries we use only the highest quality of cells, Sanyo and Panasonic represent 95% of all cells utilized in our battery packs. Every battery is tested 100% electronically, mechanically and cosmetically, prior to shipping.

At W&W Manufacturing, quality does not begin and end with the quality of our product. "Quality of Service" is a goal we are constantly striving for in our Order Department, our Customer Service Department and our Accounts Receivable Department.

It is our objective to give you, our customer the best product in the market, at the most competitive price, along with the quickest delivery possible.

We here at W&W Manufacturing thank you for this opportunity to serve you now and in the future.

  
**Jeffrey A. Weitzman**  
*CEO/President*

  
**Ronie Rosenbaum**  
*Vice President of Operations*

## TWO-WAY BATTERIES

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## CHARGERS

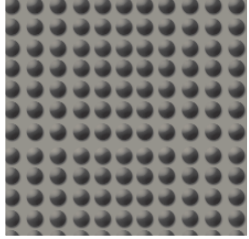
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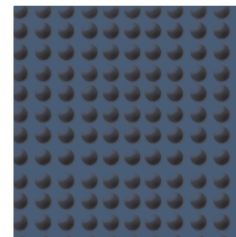
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Brand names  
are used as  
cross reference  
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trademarks are the  
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**Made in the USA**



# TWO-WAY BATTERIES

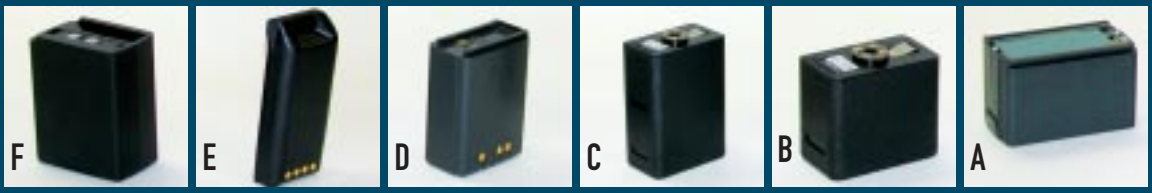


## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>ADI</b>				
HC = NiMH   LC = Lithium Ion   WC = NiCd				
ADI HT600		12v@700mAh	WC-104-ADI600	A
The HT600 batteries use the		12v@1000mAh	HC-104M-ADI600M	A
CNB152 case, fit is off but will		12v@1200mAh	WC-104(S)-ADI600(S)	A
work fine.		12v@2300mAh	HC-104(S)M-ADI600(S)M	A
		7.2v@1400mAh	WC-104A-ADI600A	A
ADI 201 - Interchangeable with CNB 152 & CNB 153 (Look under Standard)				
<b>ALCATEL</b>				
ATR 430		12v@1500mAh	WC -107-430	B
<b>ALINCO</b>				
DJ160T/E, DJ460T/E, DJ560/560E	EBP-10N	7.2v@1200mAh	WC-500-EBP-10N	C
	EBP-12N	12v@1200mAh	WC-505-EBP-12N	C
DJF1T/E, DJF4T/E, DJS1T/E, DJS4T/E	EBP-16N	7.2v@1200mAh	WC-510-EBP-16N	D
	EBP-18N	12v@700mAh	WC-515-EBP-18N	D
DJ-180, DJ-580, TJ-582	EBP-20N, 26N	7.2v@1200mAh	WC-520-EBP-20N	E
	EBP-20NM	7.2v@1800mAh	HC-520M-EBP-20NM	E
	EBP-20NX, 24N	7.2v@1800mAh	WC-520A-EBP-20NX	F
	EBP-20NXM	7.2v@2700mAh	HC-520AM-EBP20NXM	F
	EBP-22N, 28N	12v@1200mAh	WC-525-EBP-22N	F
	EBP-22NM	12v@1800mAh	HC-525M-EBP-22NM	F
DJ191, DJG5, DJG5TY, DJG5TH	EBP-37N	4.8v@1200mAh	WC-530A-EBP-37N	G
	EBP-34N	4.8v@1800mAh	WC-530A1-EBP-34N(S)	H
	EBP-34N(S)M	4.8v@2700mAh	HC-530A1M-EBP-34N(S)M	H
	EBP-35N	7.2v@900mAh	WC-530B-EBP-35N	H
	EBP-36N	9.6v@650mAh	WC-530C-EBP-36N	H
*6/10" LONGER THAN ORIGINAL CASE	EBP-35N(S)	7.2v@1200mAh	WC-530B1-EBP-35N(S)*	I
DJ-V5	EBP-45N	6v@1200mAh	WC-532-EBP45N	I
	EBP-45N	6v@1800mAh	HC-532M-EBP45NM	I
EBP46 uses the BP196S clip	EBP-46N	9.6v@700mAh	WC-532A-EBP46N	I
	EBP-46N	9.6v@1100mAh	HC-532AM-EBP46NM	I
DJ596T STANDARD CASE	EBP-48	9.6v@1200mAh	WC-527-EBP48N	J
STANDARD CASE	EBP-51N	9.6v@1800mAh	HC-527M-EBP51N	J
SLIM CASE	EBP-50N	9.6v@800mAh	HC-527AM-EBP50N	J
<b>AZDEN</b>				
NiCd Pk. 300	PCS-300	9.6v@1200mAh	WC-100-PCS-300 w/plug	
<b>CHEROKEE</b>				
AH-50	See Standard CNB152, 152A, CNB153			



# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
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### DELCOM

HC = NiMH | LC = Lithium Ion | WC = NiCd

		12v@700mAh	WC-024I(5)-BP10	A
		12v@1100mAh	HC-024I(5)M-BP10M	A

### EF JOHNSON

FM547	023-3413-004	10v@1200mAh	WC-030-AAP	
FM548	023-4047-001	10v@1200mAh	WC-031-AAP-1	
CHALLENGER	023-5800	12v@700mAh	WC-035D-151	B
	023-5800	12v@1500mAh	WC-035B-156	C
SCORPION	Base Charge Only	7.2v@1500mAh	WC-036E3-B36	D
VIKING CX/CR FLIP PHONE	587-8180-160	7.5v@1500mAh	WC-035D8-160	E
	587-8182-160	7.5v@1800mAh	WC-035D8(A)-160(S)	E
		7.5v@2700mAh	HC-035D8M-160M	E
VIKING XR	585-5000-025	7.5v@1500mAh	WC-035D3-025	F
AVENGER SI/SK	587-8150-135	7.5v@1800mAh	HC-035D6-135	G
AVENGER SE	585-5010-025	7.2v@1200mAh	WC-350G3-SB80	H
7500 SERIES—USES ICOM BP-196				

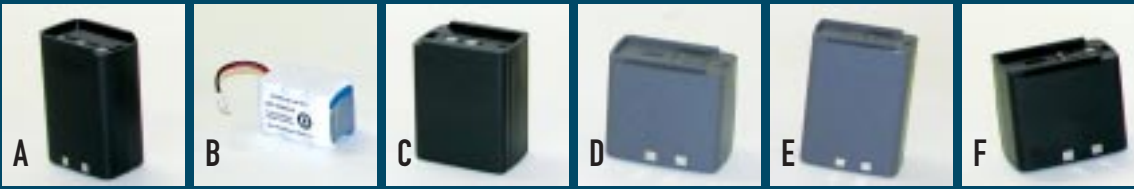
### GE/ERICSSON — (See M/A-COM)

### ICOM

IC-H2, IC-H6, IC-H12, U12, U16				
IC-2GAT/12GAT	BP2	7.2v@700mAh	WC-024B6-IC2	A
	BP5 W&W-Base Charge	10.8v@700mAh	WC-024E6-IC5	I
IC-2GAT/12GAT, IC-H2, H6, H12, U12, U16				
CM7, BP7, CM8, BP8, M-11, IC-A20, A21	BP-7	13.2v@700mAh	WC-024I(6)-IC7	J
IC-A2, M5, CM-7G	BP-7	13.2v@1000mAh	HC-024I(6)M-IC7M	J
	BP-8	8.4v@1800mAh	WC-024J2-IC8	J
	BP-8	8.4v@2700mAh	HC-024J2M-IC8M	J
	IC-7S, IC-8S - Base Charge	13.2v@1800mAh	WC-024I-IC7S	K
	BP-7S	13.2v@2700mAh	HC-024IM-IC75M	K
		9.6v@1800mAh	WC-024J-IC8S	K
	BP-8S	9.6v@2700mAh	HC-024JM-IC85M	K
IC-H18, U18, H19	CM73	13.2v@1700mAh	WC-024J1-CM73	L
	CM73	13.2v@2700mAh	HC-024J1M-CM73M	L
H28, U28	CM80	7.2v@700mAh	WC-024J3-CM80	M
	CM80	7.2v@1000mAh	HC-024J3M-CM80M	M
SA/SAT SERIES:				
IC-2SA/SE, IC-2SAT/Set, IC-3SAT	BP-82	7.2v@350mAh	WC-024K2-BP-82	N
IC-45A/SE, IC-24AT/ET, IC-25RA, W2A	BP-83A	7.2v@1200mAh	WC-024K3A-BP-83A	O



# TWO-WAY BATTERIES

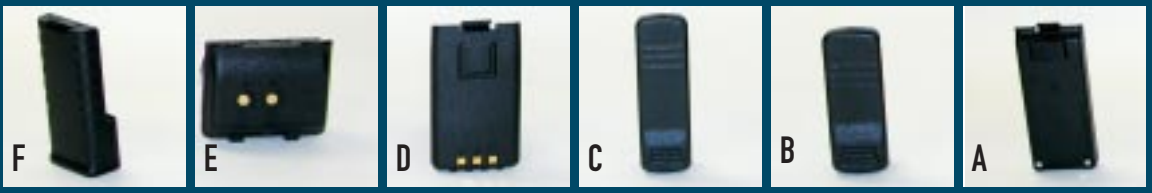


## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>HC = NiMH   LC = Lithium Ion   WC = NiCd</b>				
<b>ICOM CON'T.</b>				
IC-M7 Marine Radio, CM89	BP-83A	7.2v@2300mAh	HC-024K3AM-BP83AM	A
	BP-84	7.2v@1400mAh	WC-024K4-BP-84	A
	BP-84M	7.2v@1800mAh	HC-024K4M-BP84M	A
	BP85B*	12v@600mAh	WC-024K5B-85B	A
	*Base Charge Only	BP-85	12v@1400mAh	HC-024K5BM-BP85BM
IC-M7 MARINE RADIO (CM-89) TAKES THE BP82-84 SERIES BATTERIES)				
Internal Battery Pack 94506577		7.2v@350mAh	WC-024K6-IB	B
IC-U81T	CM-98	7.5v@1500mAh	WC-035D3-025	C
IC-W21AT, IC-W21ET (Grey)	BP-157	7.2v@1200mAh	WC-024R-157	D
	BP157	7.2v@2700mAh	HC-024RIM-BP157M	E
	BP-157(S)	7.2v@1800mAh	WC-024R1-157(S)	E
	BP-132B	12v@1200mAh	WC-024R3-132B	E
	BP132M	12v@1800mAh	HC-024R3M-BP132M	E
IC2GXAT, 2GXA, 2GA, (Black )				
IC-V21AT, IC-F10, F20, VX-68, M10	BP-157A	7.2v@1200mAh	WC-024RB-157A	F
	BP-157A(S)	7.5v@1800mAh	WC-024RB1-157A(S)	G
	BP-157A(S)	7.2v@2700mAh	HC-024RB1M-157A(S)M	G
	BP-132B, BP174	12v@1200mAh	WC-024RB3-132B	G
	BP-132BM	12v@1800mAh	HC-024RB3M-132BM	G
IC-F3GT/GS , IC-F21/F21(S), IC-V8 F4GS (uses the BP196 clip)	BP-209	7.2v@1200mAh	WC-024T-BP209	H
	BP-210	7.2v@2000mAh	HC-024TM-BP210M	H
	BP-211	7.4v@2000mAh	LC-024TL-BP211	H
IC-F30LT / IC-F40LT	CM-140	7.2v@1400mAh	WC-024RE-CM140	I
	CM-141	7.2v@1500mAh	WC-024RE1-CM141	I
	CM-142	7.2v@2700mAh	HC-024RE2-CM142	I
ALKALINE CASE (Re-usable)	uses 6 AA Alkalines		WCA-024RE-CM140	I
IC-F30LT	Plate & Screws Only		PLT-CM140	J
	Plate, Screws, Spring Clip Set		PLT-CM140/MS 2-1/2"	K
	Plate, Screws, Spring Clip Set		PLT-CM140/ML 3-3/4"	L
IC-A3, A22	CM-166	12v@700mAh	WC-024A-CM-166	M
	CM-166	12v@1200mAh	HC-024AM-CM-166M	M
	CM-166(S)	12v@1200mAh	WC-024A2-CM-166(S)	N
	CM-166S	12v@2000mAh	HC-024A2M-CM-166(S)M	N
ZIA/W31--ICT22A, T42A, W32A, IC-T7	BP-172	4.8v@1400mAh	WC-024TA-BP172	O
	BP-180	7.2v@700mAh	WC-024TB-BP180	O
	BP-180M	7.2v@1000mAh	HC-024TBM-BP180M	O
	BP-173	9.6v@650mAh	WC-024TC-BP173	O
ZIA/W31--ICT22A, T42A, W32A.IC-T7	BP-173M	9.6v@1450mAh	HC-024TCM-BP173M	O
IC-F3, IC-F4, IC-F4TR, IC-T2A, A4, T2H	BP-196	9.6v@1200mAh	WC-024A6-BP196	



# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
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**HC = NiMH | LC = LITHIUM ION | WC = NiCd**

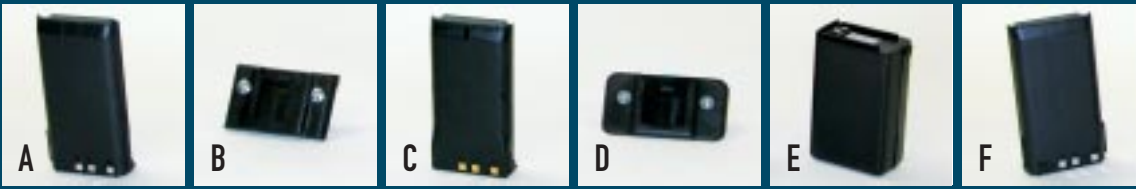
### ICOM CON'T.

IC-F3, F4, IC-F4TR, T2A, A4, T2H	BP-196 M	9.6v@2000mAh	HC-024A6M-BP196M	A
SPRING CLIP	BP-196 (SHORT CLIP)		CLP-BP196S	B
	BP-196 (LONG CLIP)		CLP-BP196L	C
IC-T8A, ICT81A	BP-199	6v@700mAh	HC-024PM-199M	D
	BP-199(S)M	6v@900mAh	HC-024P1M-BP199(S)M	D
	BP-200M	9.6v@850mAh	HC-024P2M-BP200M	D
IC-T8, IC-T81A	ALKALINE CASE, USES (6) AA		WCA-024P2-T8	D
IC-A5, IC-A23, AVIATION RADIO	BP-200M	9.6v@800mAh	HC-024P2M-BP200M	D
IC-T90	BP-217	7.4v@1300mAh	LC-024P5-BP217	E
IC-M1 (Marine Radio) BP185 & 186	Alkaline Case (6AA cells)		WCA-M1	F

### KENWOOD

TK200, TK300	KNB-1	10.8v@700mAh	WC-035E-KNB1	G
TH205, 215, 320, 405, 415, TK210, 310, 230, 330	KNB-3	7.2v@1200mAh	WC-035G-KNB3	H
	KNB-4	7.2v@2400mAh	WC-035I-KNB4	I
	PB-1	12v@1200mAh	WC-035N-PB1	I
	PB-4	7.2v@2400mAh	HC-035I-KNB4	I
TH-25AT/45AT/55AT/26AT/46AT/75AT/77AT				
TK220/320, TK240/340	PB-6(KNB-5)	7.2v@1200mAh	WC-035J(7)-KNB5	J
	PB-6	7.2v@1800mAh	HC-035J(7)M-KNB5M	J
	PB-7(KNB-6)	7.2v@1800mAh	WC-035K(S)-KNB6	J
	PB-7	7.2v@2700mAh	HC-035K(S)M-KNB6M	J
	PB-8(KNB-7)	12v@1200mAh	WC-035L(7)-KNB7	J
	PB-8	12v@1800mAh	HC-035L(7)M-KNB7M	J
TK250/350/353/355, TK259/359 (Black)	KNB-11A	7.2v@1200mAh	WC-035M-KNB11A	K
	KNB-11A	7.2v@1800mAh	HC-035MM-KNB11AM	K
	KNB-12A	7.2v@1200mAh	WC-035M1-KNB12A	K
	KNB-12A	7.2v@1800mAh	HC-035M2M-KNB12	K
	KNB-12A	7.2v@1800mAh	HC-035M1M-KNB12AM	K
TK430/431 (Grey)	KNB-9B	7.2v@1200mAh	WC-035P1-KNB9B	L
	KNB-9B	7.2v@1800mAh	HC-035P1M-KNB9BM	L
	KNB-9A	7.2v@1200mAh	WC-035P-KNB9A	L
	KNB-9A	7.2v@1800mAh	HC-035PM-KNB9AM	L
TK250/350/430	Alkaline Case 7 AA Cells		WCA-035M1-KNB12	M
TK250/350/430	Plate & Screws Only		PLT-KNB12	N
	Plate, Screws, Spring Clip Set		PLT-KNB12/ML 3-1/2"	
	Plate, Screws, Spring Clip Set		PLT-KNB12/MS 2-1/2"	
TK260/360, 270, 370, 272, 372, TK261				
TK-2100/3100/3101	KNB-14A/15A	7.2v@1300mAh	WC-035Q1-KNB15A	O
*Same size as low capacity	KNB-15(S)	7.2v@1500mAh	WC-035Q2-KNB15(S)*	O

# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>HC = NiMH   LC = Lithium Ion   WC = NiCd</b>				
<b>KENWOOD CON'T.</b>				
	KNB-15A/KNB20	7.2v@2150mAh	HC-035Q1M-KNB15AM	A
TK260/360	Plate & Screws Only		PLT-KNB15	B
Set for KNB15	Plate, Screws, Spring Clip Set		PLT-KNB15/ML 3-1/2"	B
	Plate, Screws, Spring Clip Set		PLT-KNB15/MS 2-1/2"	B
TK480/TK290, TK481/TK390, TK280/380	KNB-17	7.2v@1500mAh	WC-035Q6-KNB17	C
TK480/TK290, TK481/TK390, TK280/380	KNB-17/KNB21/22	7.2v@2150mAh	HC-035Q6M-KNB17M	C
TK280/380	Plate & Screws Only		PLT-KNB17	D
Set for KNB17	Plate, Screws, Spring Clip Set		PLT-KNB17/ML 3-1/2"	D
	Plate, Screws, Spring Clip Set		PLT-KNB17/MS 2-1/2"	D
KNB12, 15 & 17 (3")	Clip & Plate (One Piece)		CLP-WKBH8	
TH27/47 & TH28/48/78	PB-13	7.2v@1200mAh	WC-035R-PB13	G
	PB-13M	7.2v@1800mAh	HC-035RM-PB13M	G
	PB-18*	7.2v@1800mAh	WC-035RA-PB18	H
	PB-18	7.2v@2700mAh	HC-035RAM-PB18M	H
	PB-14*	12v@1200mAh	WC-035R1-PB14(S)	H
	PB-14(S)M	12v@1800mAh	HC-035R1M-PB14(S)M	H
*Same physical size as KENWOOD PB17				
TH22AT/42AT, TH79A, TK208/308	PB-32	6v@700mAh	WC-035T-PB32	I
	PB-32M	6v@1000mAh	HC-035TM-PB32M	I
	PB-33	6v@1500mAh	WC-035TA-PB33	I
	PB-33M	6v@2150mAh	HC-035TAM-PB33M	I
	PB-34	9.6v@700mAh	WC-035TB-PB34	I
	PB-34M	9.6v@1000mAh	HC-035TBM-PB34M	I
TH-F6a	PB-42L	7.2v@1800mAh	LC-035V1-PB42L1	J
	PB-42L	7.2v@1800mAh	LC-035V-PB42L	J
Can be base charged with W & W Charger. Charge on or off radio. Also works with the Kenwood charger.				
THG71A, TH-D7	PB-38	6v@650mAh	WC-035W-PB38	
	PB-38M	6v@900mAh	HC-035WM-PB38M	
	PB-39	9.6v@700mAh	WC-035W1-PB39	
	PB-39M	9.6v@1100mAh	HC-035W1M-PB39M	
TK2140/3140	KNB-24L	7.2v@1800mAh	LC-035AL-KNB24L	
	KNB-25A	7.2v@1500mAh	WC-035A-KNB25A	
	KNB-26N	7.2v@2150mAh	HC-035AM-KNB26N	

## KING RADIO

LPH202, 502, 514, LAA105, LAA125, KX99	KR0105E, K0125E	10v@1200mAh	WC-035C1-K0105E	K
	KR0105E, K0125E	10v@2700mAh	HC-035C1M-K0105EM	K

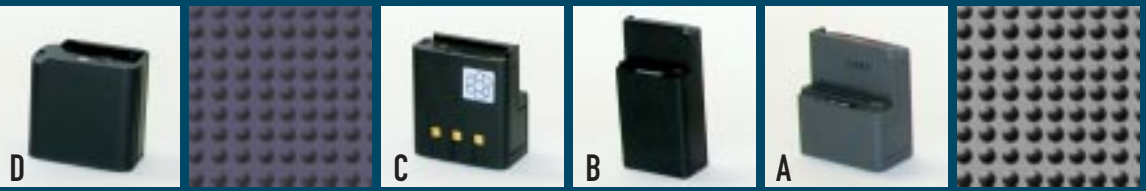
## KYODO

KG-109 *W&W case 1/4" longer than orig.	NC1000	9.6v@1500mAh	WC-036-NC1000*	
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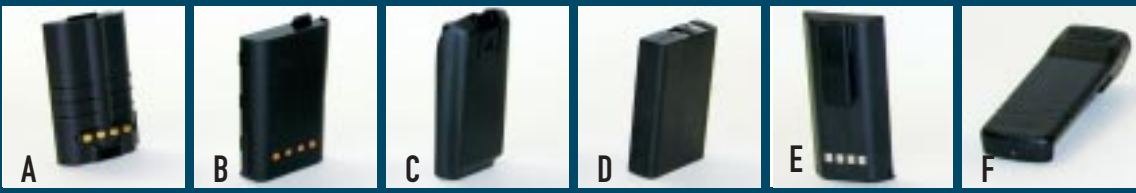
# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE	
<b>KYODO CON'T</b>					
			HC = NiMH   LC = Lithium Ion   WC = NiCd		
KG-209 (Grey)		7.2v@1200mAh	WC-036A-1200 KG209	A	
		7.2v@2400mAh	WC-036A1-2400 KG209	A	
		7.2v@1800mAh	HC-036AM-NH1650 KG209	A	
		7.2v@3300mAh	HC-036A1M-NH3300 KG209	B	
Small Grey		7.2v@1350mAh	HC-036B-NH1350	B	
Large Grey		7.2v@2700mAh	HC-036B1-NH2700	B	
KG209-(Black)		7.2v@1200mAh	WC-036T-1200 KG209	C	
		7.2v@2400mAh	WC-036T1-NC1800NiCd	C	
		7.2v@1800mAh	HC-036TM-NH1650 KG209	C	
		7.2v@3300mAh	HC-036TIM-NH3300 KG209	C	
Small Black		7.2v@1350mAh	HC-036U-NH1350	C	
Large Black		7.2v@2700mAh	HC-036U1-NH2700	C	
<b>M/A-COM</b>					
MONOGRAM SERIES/BKB191206	MGPA-5B	10.8v@700mAh	WC-006A1-4506P1	D	
	MGPA-5C	10.8v@1500mAh	WC-006A2-4506P3	D	
	MGPA-5C	10.8v@2700mAh	WC-006A2M-4506P3M	D	
EDACS MONOGRAM MGPA-7F	BKB191204/IR1A, 2A	7.2V@1200mAh	WC-006A4-BKB204	D	
MPD, PLS, TPX, MPA	19A704850P7	7.5v@1200mAh	WC-006A6-4850P7	E	
	19A704860P7	7.5v@1700mAh	WC-006A7-4860P7	E	
EDACS 300P	BKB191212/1	7.5v@1100mAh	WC-006E-BKB212/1		
	BKB191212/1	7.5v@1800mAh	HC-006EM-BKB212/1		
	BKB191212/2	7.5v@1500mAh	WC-006E2-BKB212/2		
	BKB191212/2	7.5v@2150mAh	HC-006E2M-BKB212/2		
MPI	PL19D900639G1, G2	7.2v@700mAh	WC-006B-6391	F	
MPR	PL19D429763G1	@750mAh	WC-007-9763		
MPR	PL19D429777G1	@1200mAh	WC-008-9777		
MPI	PL19D900639G3	10v@700mAh	WC-008A-6393	G	
MPX	PL19D429777G3	@1200mAh	WC-010-9777-3		
PORTA MOBILE II	19A134172P1	9.6v@4000mAh	WC-015-2092	H	
PCS SERIES	19A705293P1	7.5@1200mAh	WC-010C-5293P1	J	
	19A705293P1	7.5@2150mAh	HC-010CM-5293P1M	J	
*Same case size as low capacity battery	19A705293P2	7.5v@1700mAh	WC-010C2-5293-P1(S)*	J	
	19A705293P2	7.5v@2700mAh	HC-010C2M-5293P1SM	J	
MRK	Small Case Size	344A3487P1	7.5v@650mAh	WC-011A-3487P1	K
			7.5v@1100mAh	HC-011AM-3487P1M	K
	Medium Case Size	19A149838P1	7.5v@1200mAh	WC-011B-149838P1	K
			7.5v@1800mAh	HC-011BM-149838P1M	K
	Large Case Size	344A3278P1	7.5v@1800mAh	WC-011C-3278P1	K
			7.5v@3000mAh	HC-011CM-3278P1M	K

# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>HC = NiMH   LC = Lithium Ion   WC = NiCd</b>				
<b>M/A-COM CON'T</b>				
JAGUAR 700P	BKB210	7.5v@1700mAh	WC-004A1-BKB210	A
	BKB210	7.5v@2700mAh	HC-004A1M-BKB210M	A
KPC (Prism) 300/400 LPE200	BKB191203/KPP-A7L	7.5v@1200mAh	WC-005A-BKB203	B
PANTHER 500P*	BKB191203/KPP-A7L	7.5v@2150mAh	HC-005AM-BKB203M	B
	BKB191202/KPP-A7M	7.5v@1700mAh	WC-005A1-BKB202	B
	BKB191202/KPP-A7M	7.5v@2700mAh	HC-005A1M-BKB202M	B
* Do Not Use In OEM Charger				
NPC 50	BKB191208/1	7.5v@1200mAh	WC-378-BT294	
PANTHER 400P, 600P, 625P	TOPB100	7.2v@1200mAh	WC-349A-TOPB100	C
COUGAR 400P, 600P, 625P	TOPB100	7.2v@1800mAh	HC-349AM-TOPB100M	C
(uses Tait Orca Batteries)	TOPB200	7.2v@1500mAh	WC-349B-TOPB200	C
	TOPB200	7.2V@2150mAh	HC-349BM-TOPB200M	C
NPC 200, BKB207	BKB207	Uses APX1105 Battery		

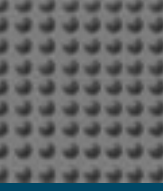
## MAXON

Used in TAD 1510, 1510S, 1520,

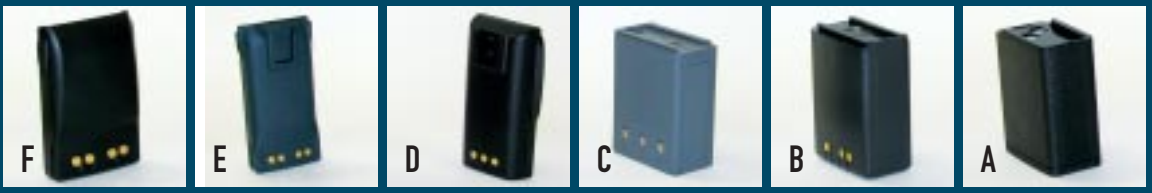
SP-5050HD		10.8v@600mAh	WC-091(6)-P4W	D
		10.8v@700mAh	WC-091(7)-P4W	D
		10.8v@1000mAh	HC-091(7)M-P4WM	D
SP-120/TP-120	QPA-1200	7.5v@1200mAh	WC-035U3-QPA-1200	E
	QPA-1200	7.5v@1800mAh	HC-035U3M-QPA1200	E
	QPA-1200	8.4v@1300mAh	HC-035U4M-QPA1200	E
SP-100/SP120, SP130 SPRING CLIP	LONG CLIP	3-1/2"	CLP-ML	F
	SHORT CLIP	2-1/2"	CLP-MS	G
SP-2000, 2550 SL70, 400, 600	SA-1155, 1270/1225	10.8v@700mAh	WC-035U-SA-1155	H
	SA-1160, SA-1170	10.8v@1500mAh	WC-035U2-SA-1500	H
	SA-1160, SA-1170	10.8v@2700mAh	HC-035U2M-SA1500M	H
TP-4800, TP-4801	TPA-1160	7.2v@1200mAh	WC-035U6-TPA-1160	I
	TPA-1160	7.2v@1800mAh	HC-035U6M-TPA-1160M	I
SP100 (Grey)	QPA-1200	7.5v@1200mAh	WC-035U7-QPA1200	J
	QPA-1200	8.4v@1300mAh	HC-035U8M-QPA1200M	J
SP200V2	QPA-900	7.5v@900mAh	HC-035U9M-QPA900M	K
	QPA-1350	7.5v@1350mAh	HC-035U9(S)M-QPA1350M	K
SP130/SP140U/150	MPA-1200	7.5v@1200mAh	WC-035U5-MPA1200	L
	MPA-1200	7.5v@1800mAh	HC-035U5M-MPA1200M	L
LEGACY PL1145/PL2245	ACC-201/202	7.2v@1350mAh	HC-035X-ACC201	M
GMRS-210+3 SEE RADIO SHACK	HTX-202			

## MIDLAND

70-154	70-B24	13.2v@1500mAh	WC-036D-70-B24	N
70-154	70-B25	9.6v@1500mAh	WC-036E-70-B25	N



# TWO-WAY BATTERIES

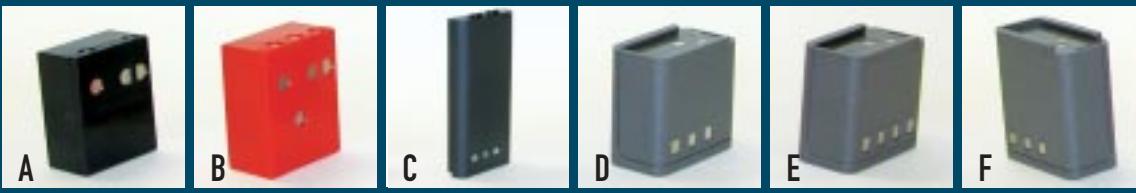


## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>MIDLAND CON'T</b>				
HC = NiMH   LC = Lithium Ion   WC = NiCd				
73-30 SEE KENWOOD	PB32, PB33, PB34			
73-005 SEE STANDARD	CNB152, 152A, 153			
70-9405 SEE STANDARD	CNB584A			
70-148, 248	70-B48	9.6v@1200mAh	WC-036F-70-B48	A
	70-B48	9.6v@1800mAh	HC-036FM-70-B48M	A
70-166	70-B36	7.2v@1500mAh	WC-036E3-B36	B
70-155/70-255	70-B19	7.2v@1800mAh	WC-036E2-70-B19	C
70-440BP	BP-0513	7.2v@1800mAh	HC-036E5M-70-440BP	
70-112B	70-B12B	7.5v@1350mAh	HC-036D2M-70-112B	D
70-B263 uses APX1115 battery				
MONARK CR-1600 Cp-ter, QTX	MB-1120	See STANDARD CNB152, 152A, 153		
<b>MOTOROLA</b>				
CT250/450, PRO3150 (Blue/Green)	PMNN4021AR	7.2v@1700mAh	WC-036K-4021AR	E
	PMNN4018AR	7.2v@2150mAh	HC-036KM-4018A	E
	PMNN4018AR	7.2v@2700mAh	HC-036K(S)M-4018A(S)	E
EX500/600/GP388/344	JMNN4024BR	7.4v@1400mAh	LC-036P-4024BR	F
EX500/600 Radio Holder for Radio & Battery comes with Universal Clip.			HL-036P-4024BR	G
EXPO RAPID CHARGE	NLN7161A, 60-5261L01	7.2v@300mAh	WC-037-7161	H
EXPO RAPID CHARGE	NLN7162A, 60-5261L02	7.2v@700mAh	WC-037A-7162	I
GP68	PMN4000B	7.2v@1200mAh	WC-037C-4000B	J
	PMN4000B	7.2v@1500mAh	WC-037C1-4000B(S)	J
	PMN4000	7.2v@2100mAh	HC-037C1M-4000B(S)M	J
CP150	NNTN4497AR	7.2v@2000mAh	LC-036K4L-4497L	
	NNTN4496AR	7.2v@1200mAh	WC-036K4-4496	
	NNTN4496ARM	7.2v@1800mAh	HC-036K4M-4496M	
HT50	NLN5453A	10v@1200mAh	WC-037E-5453A	K
HT90 RAPID CHARGE	NLN7434A, 60-5928J02	12.5v@1200mAh	WC-038-7434	L
HT90 STANDARD CHARGE	NLN7435A, 60-5928J04	12.5v@1200mAh	WC-039-7435	L
HT200 - REGENCY	NLN6238A, N64, MA50	14.4v@630mAh	WC-040-6238	M
HT220, Standard, Slimline, BA-4, RF	NLN6682A, RF2861, BA4			
Aerotron, Sonar, Multitone, Public	724BR, BP2946, BA100N			
	RF2842, 60-84643H01	14.4v@300mAh	WC-042-6682	N
HT220, Rapid Charge, Slimline, Sonar	NLN6899A, 60-84641H01	14.4v@300mAh	WC-043-6899	
HT220, Extended Duty, Omni, BA6	NLN6761A, 60-84642H01			
Aerotron, RF, Cooks Sonar, LeCom	BA6, 725BR, BP2947			



# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>MOTOROLA CON'T</b>				
Public, Multitone	BA200N, BP-2979	15v@700mAh	WC-044-6761	A
HT220, Extended Duty; RAPID CHARGE				
Omni, Sonar	NLN6900A, 60-84636H01	15v@700mAh	WC-045-6900	B
HT440, STANDARD CHARGE			WC-046-7401	C
HT440, RAPID CHARGE	NLN7694A, 60-5928J01	12v@1200mAh	WC-048-7694	C
HT600, STANDARD CHARGE	NTN4563A, 60-60930L03	10v@1200mAh	WC-060J-4563A	D
HT-600 STANDARD CHARGE	NTN4563A, 60-60930L03	10v@1800mAh	HC-060JM-4563AM	D
HT600, RAPID CHARGE	NTN4584A, 60-60930L04	10v@1200mAh	WC-060K-4584A	E
HT-600 RAPID CHARGE	NTN4584A, 60-60930L04	10v@1800mAh	HC-060KM-4584AM	E
HT600, STANDARD CHARGE	NTN4588A, NTN5413A	10v@1200mAh	WC-060L-4588A	F
HT-600 STANDARD CHARGE	NTN4588A, NTN5413A	10v@2150mAh	HC-060LM-4588AM	F
HT600, RAPID CHARGE	NTN4585A, NTN5414A	10v@1200mAh	WC-060M-4585A	G
HT-600 RAPID CHARGE	NTN4585A, NTN5414A	10v@2150mAh	HC-060MM-4585AM	G
HT750, 1250, 1550/GP320, 340, 360, 380	HNN9008R (SLIM)	7.2v@1200mAh	WC-060M2-9008R	H
640, 680, 1280/PRO5150, 7150, 9150	HNN9008R (SLIM)	7.2v@1800mAh	HC-060M2M-9008RM	H
	HNN9012R (THICK)	7.2v@1800mAh	WC-060M3-9012R	H
	HNN9009R (THICK)	7.2v@2150mAh	HC-060M3M-9009RM	H
	HNN9009R (THICK)	7.2v@2700mAh	HC-060M3M(S)-9009M(S)	H
HT1000, MTS2000, MTX8000/9000				
GP900/1200	NTN7143, 7143C, 7144, 7145A	7.5v@1500mAh	WC-060M5-7144A	I
HT-1000, MTS2000	NTN7143, NTN7144A	7.5v@2700mAh	HC-060M5M-7144AM	I
MT500, RAPID CHARGE Slimline	NLN4462A, 60-5737E01	15v@300mAh	WC-052-4462	J
MT500, RAPID CHARGE Omni Univ.	NLN4463A, 60-5742E01	15v@700mAh	WC-053-4463B	J
MT1000, MTX800 RAPID CHARGE	NTN4822A, 60-60930L11	10v@1200mAh	WC-060N-4822	K
MT-1000 Rapid	NTN4822A, 60-60930L11	10v@1800mAh	HC-060NM-4822M	K
MT1000, MTX800, Seacom 1, Rapid Charge	NLN4824A, NTN5447A	10v@1200mAh	WC-060Q-4824	L
Rapid	NTN4824A, NTN5447A	10v@2150mAh	HC-060QM-4824M	L
MX300 RAPID CHARGE	NLN8834B, 60-5201E01	7.5v@1400mAh	WC-054-8834B	M
MX300 RAPID CHARGE	NLN5860, NLN8835A	7.2v@1800mAh	WC-055-5860	M
NEXTEL/IDEN				
LINGO L3000	NTN8144A	7.2v1200mAh	WC-057A-8144A w/o clip	N
LINGO L-3000	NTN8144A	7.2v@1800mAh	HC-057AM-8144A	N
PRO 3150, CT250/450 (Blue/Green)				
PRO 5150, 7150, 9150, HT750, 1250, 1550, GP320, 340, 360, 380, 640, 680, 1280				
RAVEN Powerphone IR/IP370	NTN8100A	6v@1250mAh	WC-057D-8100A	O
		6v@2150mAh	HC-057D2-8100A(S)	O
	NTN8098B	6v@650mAh	WC-057D1-8098B(Slim)*	O
	NTN8521A	6v@900mAh	HC-057D3-8521A(Slim)*	O
*IDEN 600 (NTN8609) Takes the Slim batteries			WC-057D1 & WC-057D3	O



# TWO-WAY BATTERIES



## Two-Way Batteries





RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>MOTOROLA CON'T</b>				
			HC = NiMH   LC = Lithium Ion   WC = NiCd	
RADIUS-P50 (2watt) Low Power, Spirit, SP21	HNN-9044A	7.2v@700mAh	WC-060U-9044	A
RADIUS P10, AP50, CP10,AP10,Spirit	HNN-9044	7.5v@1000mAh	HC-060UM-9044M	A
RADIUS P-50 High Power	HNN-9027A	10.8v@700mAh	WC-060W-9027	B
	HNN-9027A	10.8v@1000mAh	HC-060WM-9027M	B
RADIUS-SP50,CP50	HNN-9018A	7.2v@1200mAh	WC-060X4-9018A	C
	HNN-9018A	7.2v@2150mAh	HC-060X4M-9018AM	C
RADIUS-P100	NTN5451A	10v@1200mAh	WC-060W4-5451A	D
	NTN5451A	10v@2150mAh	HC-060W4M-5451AM	D
RADIUS-P110	HNN-8148A	7.5v@1200mAh	WC-060W8-8148A	E
RADIUS P-110	HNN-8148A	7.5v@1800mAh	HC-060W8M-8148AM	E
RADIUS-P200 Rapid Charge	NTN5521A, 60-60930L41	9.6V@1200mAh	WC-060Y-5521	F
RADIUS P-200	NTN-5521A	9.6v@ 2150mAh	HC-060YM-5521M	F
RADIUS-GP300/600	HNN-9628A	7.5v@1200mAh	WC-060Z6-9628A	G
RADIUS-GP300/600	HNN-9628A	7.5v@1800mAh	HC-060Z6M-9628AM	G
RADIUS-GP350	HNN-9360A	7.5v@1200mAh	WC-060Z8-9360A	H
RADIUS GP350	HNN-9360A	7.5v@1800mAh	HC-060Z8M-9360AM	H
RADIUS-P-1225	HNN-9049A	7.5v@1200mAh	WC-060Z9-9049A	I
	HNN-9049A	7.5v@1500mAh	WC-060Z9(S)9049A(S)	I
RADIUS P1225	HNN-9049AM	7.5v@2150mAh	HC-060Z9M-9049AM	I
SABER MX1000/3010	NTN4537A, 60-60930K04	7.5v@700mAh	WC-060G-4537	J
SABER SMALL	NTN4537A, 60-60930K04	7.5v@1000mAh	HC-060GM-4537AM	J
SABER MX1000/3010	NTN4593A, 60-60930K05	7.5v@1200mAh	WC-060S-4593	J
SABER MEDIUM	NTN4593A, 60-60930K05	7.5v@1800mAh	HC-060SM-4593M	J
SABER MX1000/3010	NTN4595A, 60-60930K09	7.5v@1800mAh	WC-060V-4595	J
SABER	NTN4595A, 60-60930K09	7.5v@2700mAh	HC-060VM-4595AM	J
STX-RAPID CHARGE	NTN4326A, 60-60930G01	7.5v@1300mAh	WC-060D-4326	
STX-RAPID CHARGE	NTN4327B, 60-60930G02	7.5v@1800mAh	WC-060F-4327	K
TALKABOUT SPIRIT GT, T280	HNN-9720	3.6v@900mAh	HC-060HM-9720	L
VISAR	NTN-7394A	7.5v@2150mAh	HC-061D-7394	M
	NTN-7395A, 7396A	7.5v@1200mAh	WC-061E-7395NiCD	M
XTS-2500	NTN-9815A	7.2v@1525mAh	WC-061G-9815A	
	NTN-9858A	7.2v@1800mAh	HC-061GM-9858AM	
XTS-3000	NTN-8294A	7.5v@1700mAh	WC-061H-8294A	N
	NTN-8299AM	7.5v@2150mAh	HC-061HM-8299AM	N
	NTN-8299A(S)M	7.5v@2700mAh	HC-061H(S)M-8299A(S)M	N
	NTN8-299(S)(S)M	7.5v@4000mAh	HC-061H(S)(S)M-8299(S)(S)M	N
XTS-3000	Short Clip	Short Clip 2-1/2"	CLP-XTS/S	O
XTS-3000	Long Clip	Long Clip 3-1/2"	CLP-XTS/L	O
HT-750, 1250, 1550, PRO 3150	SPRING CLIP		MOT-HT750/PRO3150	O
HT-1000, LINGO L-3000	SPRING CLIP		CLP-HT1000	O



# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>MOTOROLA CON'T</b>				
GP300, 350, P1225	Spring Clip		CLP-ML Long Clip 3-1/2" CLP-MS Short Clip 2-1/2"	
Adhesive Plate Only for GP300/350, P1225				
HT-1000, RAVEN	Adhesive Plate for Spring Clip Set		CLP-PLATE(M)	
GP300/350, P1225, RAVEN	Adhesive Plate for Spring Clip Set		PLT(ADH)-MOT/ML PLT(ADH)-MOT/MS	
MOTOROLA BRACKET			HL-036P-4024BR	

HC = NiMH | LC = Lithium Ion | WC = NiCd

## NEXTEL/IDEN — (See MOTOROLA)

## RADIO SHACK (Realistic)

REALISTIC, HTX202, HTX404		7.2v@700mAh	WC-024B6-IC2	A
		10.8v@700mAh*	WC-024E6-IC5	B
		13.2v @700mAh	WC-024I(6)-IC7	C
		8.4v@1800mAh	WC-024J2-IC8	C
		13.2v@1800mAh*	WC-024I-IC7S	D
		9.6v@1800mAh*	WC-024J-IC8S	D
HTX-420		7.2v@ 1200mAh	LC-343L-HTX420	E
HTX-420	ALKALINE CASE	Uses 4 AA Cells	WCA-343-HTX420	E
REALISTIC, HX204 - See STANDARD	CNB152,152A,153 Series		Use With Base Charger Only	
REALISTIC SCANNER 20-136	CNB-20003, 10457083	7.2v@1200mAh	WC-340-RS	F

## REGENCY

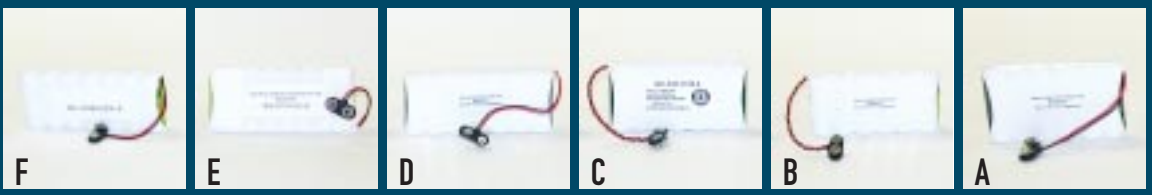
	COMPLETE BATT. PACK			
TRP100, TRP200		7.5v@700mAh	WC-068B-TRP	G
MT-1000, HX-1200		9.6v@1200mAh	WC-100-PCS-300 w/plug	

## RELM

WHS150*	BP007	10.8v@1200mAh	WC-069-BP007-Old Version	H
	BP007*	10.8v@1800mAh	HC-069M-BP007M-Old	H
	BP007**	10.8v@1200mAh	WC-069R-BP007-New Version	I
	BP007**	10.8v@1800mAh	HC-069RM-BP007M-New	I
*2 charging contacts **4 charging contact				
MP SERIES (MPV/MPV08/MPV32)	BPMP1/7	10.8v@1200mAh	WC-069A2-BPMP	I
MPU08/MPU32)	BPMP1/7	10.8v@1800mAh	HC-069A2M-BPMPM	I
Adhesive Plate MP Series BPMP7, BPMP1			PLT-RELM-MP (Plate Only)	J
			PLT-RELM-MP/ML (Set)	K
			PLT-RELM-MP/MS (Set)	L
RPV516A, RPV599A		7.2v@1200mAh	WC-069E-BPRP (Slim case)	M
		7.2v@1800mAh	HC-069EM-BPRP (Slim case)	M
		7.2v@ 2150mAh	HC-069E1M-BPRP(KNB15 CASE)	M



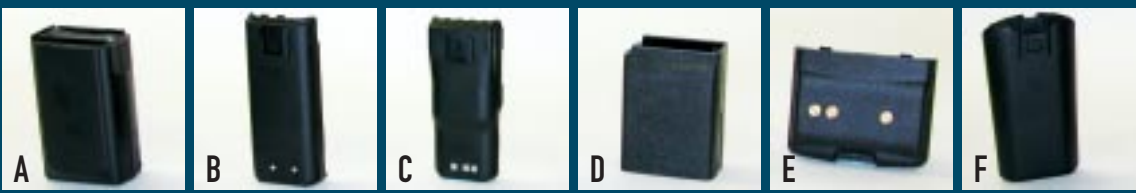
# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>REPCO</b>				
HC = NiMH   LC = Lithium Ion   WC = NiCd				
545 Radio-Johnson, RPX, Tek 10-2 HVP-500, HVP-150, HVP-50	817-005-01, R005-1	(12v@600mAh)	WC-072-817	
<b>RITRON</b>				
RT-151 'C'	BP-6N, RT-450	7.5v@1200mAh	WC-077-6151-S	A
RT-151 'C'	BP-6NM	7.5v@1200mAh	WC-077A-6151-P	A
RT-151 'C', RT-450	BP-F6N	7.5v@1200mAh	WC-077B-6151F-S	B
RT-151 'C', RT-450	BP-F6NM		WC-077C-6151F-P	B
MODEL 100		6v@600mAh	WC-077D-100-P	B
RT-152, RT450 'B'	BP-7N, RT-154	8.75v@1200mAh	WC-078-7152-S	C
RT-152, RT450 'B'	BP-7NM	8.75v@1200mAh	WC-078A-7152-P	C
RT-152, RT-450 'B', RT-154	BP-F7N	8.75v@1200mAh	WC-078B-7152F-S	D
RT-152, RT-450 'B', RT-154	BP-F7NM		WC-078C-7152F-P	D
RT-152, RT125	BP-8N, RT-50, ICOM PS132		WC-079-8153-S	E
RT-152, RT125	BP-8NM		WC-079A-8153-P	E
RT-152, RT125, RT-50	BP-F8N		WC-079B-8153F-S	E
RT-152, RT125, RT-50	BP-F8NM		WC-079C-8153F-P	F
RTE154	BPE-7N		WC-079F-BPE-7N	G
WALKIE-TALKIE TRANSCEIVER			WC-079D-7AA	G
PATRIOT (NiCd)	BTX-8NHC	9.6v@1200mAh	WC-079JA-BTX-8NHC	H
(NiMH)	BTX-8NMH	9.6v@1800mAh	HC-079JBM-BTX-8NMH	H
SST 150	BPS-6N	7.2v@1200mAh	WC-079L-BPS-6N	I
JOB COM JMX SERIES	BPJ-6N	7.2v@1200mAh	WC-079M-BPJ-6N	I
<b>SANTEC</b>				
		9.6v@1200mAh	WC-275-1200	J
		9.6v@300mAh	WC-350-TSBP	K
<b>SECTOR</b>				
HS1000, HS2000, HS4000		See MIDLAND 70-B48		
<b>STANDARD</b>				
834S, 734L, HX300	Std BP11, CNB2 Rapid Chrg	11v@550mAh	WC-087A-P11	L
HX-100	BP-500FM		WC-091.01	M
C158/C228/C528/C558/C628/C28A/	CNB-152	12v@700mAh	WC-350D-CNB-152	N
HX190, HX240, (ADI 201)	CNB-152M	12v@1000mAh	HC-350DM-CNB152M	N
(1/3" longer than CNB-152)	CNB-152A	12v@1200mAh	WC-350DA-CNB-152A	N
	CNB-152AM	12v@1800mAh	HC-350DAM-CNB152AM	N
	CNB-153	7.2v@1400mAh	WC-350E-CNB153	N
CNB152 batteries can also be used for CNB241, 242, 243, 244				
C168A/C468	CNB-161	7.2v@1200mAh	WC-355B-CNB-161	O

# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
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**STANDARD CON'T.** HC = NiMH | LC = Lithium Ion | WC = NiCd

	CNB-162	12v@700mAh	WC-355D-CNB-162	A
	CNB-163	7.2v@1200mAh	WC-355F-CNB-163	A
HX292 SLIM CASE	CNB-290	7.2v@1200mAh	WC-356-CNB290	B
SLIM CASE	CNB-290	7.2v@1800mAh	HC-356M-CNB290M	B
VX310 STANDARD CASE	CNB-291	7.2v@1500mAh	WC-356A-CNB291	B
STANDARD CASE	CNB-291	7.2v@2150mAh	HC-356AM-CNB291M	B
HX381/390	CNB-381	9.6v@1200mAh	WC-358-CNB381	C
HX381/390	CNB-381M	9.6v@1800mAh	HC-358M-CNB381M	C
HX580, HX581T, HX582T	CNB-584A	9.6v@1200mAh	WC-360-CNB-584A	D
*Available with disclaimer	CNB-584AM	9.6v@1800mAh	HC-360M-CNB584AM	D
HEATH 2P, 4D	CNB-413	7.2v@1200mAh	WC-358Z-CNB413	
HX460		7.2v@1300mAh	LC-091X6-FNB80Li	E

### TAIT

ORCA SLIM CASE	TOPB100	7.2v@1200mAh	WC-349A-TOPB100	F
SLIM CASE	TOPB100	7.2v@1800mAh	HC-349AM-TOPB100M	F
STANDARD CASE	TOPB200	7.2v@1500mAh	WC-349B-TOPB200	F
STANDARD CASE	TOPB200	7.2v@2150mAh	HC-349BM-TOPB200M	F
T3000II T3000-1042		7.2v@1500mAh	WC-349-1042	G
T3000-1032		7.2v@2150mAh	HC-349M-1042M	G

### TEKK

	SB-20	7.2v@700mAh	WC-350G-SB20	H
T20, T40, TC-200, T-50,	SB-80,SB-90	7.2v@1200mAh	WC-350G3-SB80	H
PCI -150A	SB-300	6v@1200mAh	WC-350G4-SB300 W/(B) PLUG	I
T-80, Tekk Pro-90	TS-200		WC-350G5-TS200	J
Terminator 1	NBP800	7.2v@1200mAh	WC-350G7-NBP800	K
NT20, 40, 80, 90		7.2v@1800mAh	HC-350G7M-NBP800M	K

### TEMPO

COMPLETE BATTERY PACKS				
TSBP "C", TEMPO S1		9.6v@300mAh	WC-350-TSBP	L
TSBP2, S-1-2-4-5		9.6v@700mAh	WC-351-TSBP2	M

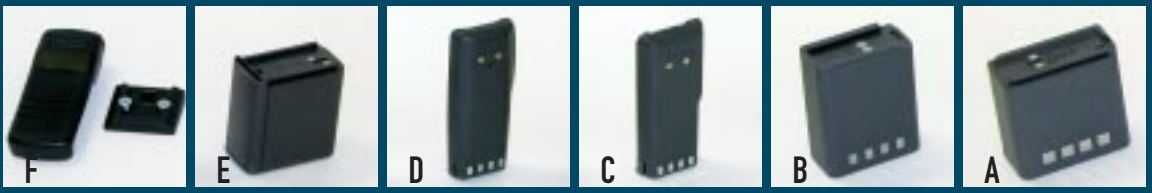
### UNIDEN

APU, APH, APL Series (APU42, APH56, APX500)		10.8v@600mAh	WC-091(6)-P4W	
		10.8v@700mAh	WC-091(7)-P4W	
GMR-100		7.2v@1200mAh	WC-370-GMR100	N
BEARCAT SCANNER				
BC100/200XLT, BP20S		7.2v@1200mAh	WC-092-BCS	O
		7.2v@1800mAh	HC-092M-BCSM	O



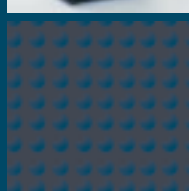
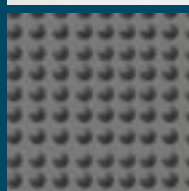
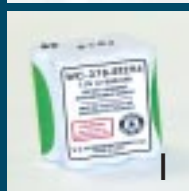
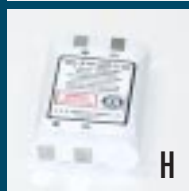
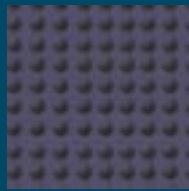


# TWO-WAY BATTERIES

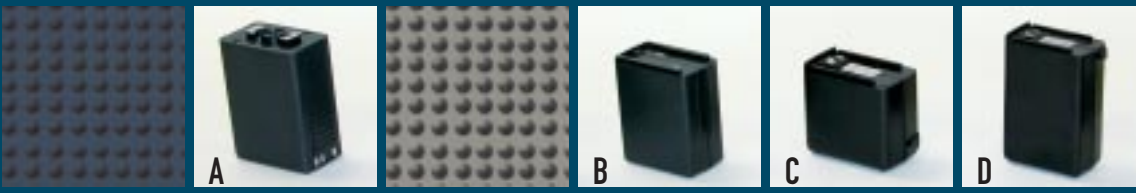


## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>UNIDEN CON'T.</b>				
HC = NiMH   LC = Lithium Ion   WC = NiCd				
SPU480K	APX550	7.2v@1200mAh	WC-374A-APX550	A
	APX1050	7.2v@1200mAh	WC-374A2-APX1050	A
	APX1050	7.2v@1800mAh	HC-374A2M-APX1050M	A
SP310TX, SPS320TSK, SPS301	APX1100	7.2v@1200mAh	WC-375-APX1100	B
	APX1100	7.2v@1800mAh	HC-375M-APX1100M	B
SPS801/802, SPH155/155DT, SPU454 (GE-BKB207-NPC200)	APX1105	7.2v@1200mAh	WC-376-APX1105	C
	APX1105	7.2v@1800mAh	HC-376M-APX1105M	C
SPH255DT	APX1115	7.2v@1200mAh	WC-376C-APX1115	D
	APX1115	7.2v@1800mAh	HC-376CM-APX1115M	D
SPH416/516 BASE CHARGE ONLY	APX700	7.2v@1200mAh	WC-377-APX700	E
BASE CHARGE ONLY	APX1070	7.2v@1200mAh	WC-377A-APX1070	E
BASE CHARGE ONLY	APX1070	7.2v@1800mAh	HC-377AM-APX1070M	E
APX1050, 1070, 1100, 1105, 1115	Plate & Screws (Only)		PLT-SPS801	F
	Plate, Screws, Spring Clip Set		PLT-SPS801/ML 3-1/2"	G
	Plate, Screws, Spring Clip Set		PLT-SPS801/MS 2-1/2"	G
SPU51, SPH51	APX1120	7.5v@1200mAh	WC-379-APX1120	H
	APX1120	7.5v@2150mAh	HC-379M-APX1120M	H
SPU51, SPH51	Plate & Screws (Only)		PLT-SP51	
	Plate, Screws, Spring Clip Set		PLT-SP51/ML 3-1/2"	
	Plate, Screws, Spring Clip Set		PLT-SP51/MS 2-1/2"	
SPU21	BT294	7.5v@1200mAh	WC-378-BT294	I
	BT294	7.5v@1800mAh	HC-378M-BT294M	I
<b>WILSON</b>				
BP30, BP3-C, Tampa-phone T-165MX		10.8v@600mAh	WC-089-450-1	
BP-4 Regency, MA18/u, MiniCom 1&2		10.8v@600mAh	WC-091(6)-P4W	J
HH400, HH2500, HH152D6, HH156-D6		10.8v@700mAh	WC-091(7)-P4W	J
BP5MH200, 41B025AG00301		7.2v@700mAh	WC-091A-P5W	
<b>VERTEX/YAESU</b>				
FT207R, 208R/708R, FTC-2203/2205/5203	FNB -2	10.8v@600mAh	WC-091(6)-P4W	J
	FNB-2(S)	10.8v@700mAh	WC-091(7)-P4W	J
FT207R, 208R/708R, FTC-2203/2205	FNB-2(S)	10.8v@1000mAh	HC-091(7)M-P4WWM	J
FT-109RH, 209R/709R, 727R, FT-103R				
203R, 703R, FTC-1123/1143	FNB-3/3A	9.6v@1500mAh	WC-091L3A-FNB3/3A	K
	FNB-4	12v@1200mAh	WC-091L4-FNB4	K
**Base Charge Only In NC-15 Charger	FNB-4A**	12v@1500mAh	WC-091L4A-FNB4A	K
FT-23R/33R/73R/FT-411/811/911/470				
FTH2005/2008/2010/FTH7005/7008/7010				
FT411 MARK II, FT23R MARK II	FNB-10(S), FNB-14	7.2v@1400mAh	WC-091J-FNB-10(S)	L



# TWO-WAY BATTERIES

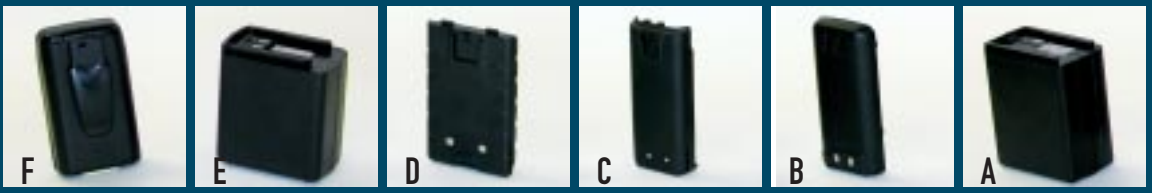


## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>HC = NiMH   LC = Lithium Ion   WC = NiCd</b>				
<b>VERTEX/YAESU CON'T.</b>				
	FNB-12(S)	12v@700mAh	WC-091E6-FNB-12(S)	
	(Equiv. to FNB11-1/2" shorter)			
	FNB-17	7.2v@700mAh	WC-091F-FNB-17	
FT23R/411E/470R	FNB-17	7.2v@1000mAh	HC-091FM-FNB17M	
FTH-2070	FNB-16	12v@1200mAh	WC-091ZA-FNB16	A
FTH-2009/7009	FNB-19(S)(S)	7.2v1500mAh	WC-092A-FNB-19(S)(S)	B
	FNB-21(S)	9.6v@1200mAh	WC-092D-FNB21(S)	B
FT26/76, FT415, FT530, FT815 (Black)	FNB-25	7.2v @700mAh	WC-091N-FNB25	C
	FNB-25	7.2v@1000mAh	HC-091NM-FNB25M	C
	FNB-26	7.2v @1400mAh	WC-091P-FNB26	D
	FNB-26(S)**	7.2v@1800mAh	WC-091P1-FNB26(S)	D
	FNB-26(S)	7.2v@2700mAh	HC-091P1M-FNB26(S)M	D
*Same size as FNB26 case				
FT26/27, FT415, FT530, FT815 (Black)	FNB-27	12v@800mAh	WC-091R-FNB27	D
	FNB-27(S)**	12v@1200mAh	WC-091S-FNB27(S)	E
	FNB-27(S)	12v@1800mAh	HC-091(S)M-FNB27(S)M	E
**1/4" Longer than FNB27				
FT-11R/41R, FT-51R	FNB-31	4.8v@600mAh	WC-091B-FNB31	F
	FNB-31	8.4v@900mAh	HC-091BM-FNB31M	F
	FNB-33(S)	4.8v@1800mAh	WC-091B2-FNB33(S)	F
	FNB-33(S)	4.8v@2700mAh	HC-091B2M-FNB33(S)M	F
	FNB-35(S)	7.2v@700mAh	WC-091B3-FNB35(S)	F
	FNB-35(S)(S)*	7.2v@1800mAh	WC-091B3A-FNB35(S)(S)	G
	FNB-35SS	7.2v@2700mAh	HC-091B3AM-FNB35(S)(S)M	G
	FNB-38	9.6v@600mAh	WC-091B4-FNB38	G
	FNB-38	9.6v@1400mAh	HC-091B4M-FNB38M	G
*1-1/3" Longer than FNB38				
FT10R/40R, FT50	FNB-40	6v@650mAh	WC-091X-FNB40	H
	FNB-40(S)	6v@1200mAh	WC-091X1-FNB40(S)	H
	FNB-40	6v@900mAh	HC-091XM-FNB40M	H
	FNB-47A	7.2v@1200mAh	WC-091X2A-FNB47A	I
	FNB-47	7.2v@1500mAh	WC-091X2-FNB47	I
	FNB-47	7.2v@2150mAh	HC-091X2M-FNB47M	I
	FNB-41	9.6v@700mAh	WC-091X3-FNB41	I
	FNB-41	9.6v@1000mAh	HC-091X3M-FNB41M	I
VX-10	FNB-47A	7.2v@1200mAh	WC-091X2A-FNB47A	I
	FNB-47	7.2v@1500mAh	WC-091X2-FNB47	I
	FNB-47	7.2v@2150mAh	HC-091X2M-FNB47M	I
VX-10, VX-300, FT10R/40R, FT50	SPRING CLIP	SPRING CLIP	CLP-VX10	J
VX-200	FNB-43(S)	7.2v@1500mAh	WC-092H-FNB43(S)	J



# TWO-WAY BATTERIES



## Two-Way Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>VERTEX/YAESU CON'T.</b>				
HC = NiMH   LC = Lithium Ion   WC = NiCd				
VX-200	FNB-45(S)	9.6v@1200mAh	WC-092H1-FNB45(S)	A
VX-300	FNB-55	7.2v@1200mAh	WC-092HE-FNB55	B
	FNB-56	12v@650mAh	WC-092HE1-FNB56	B
VX-310	CNB-291	7.2v@1500mAh	WC-356A-CNB291	C
	CNB-291	7.2v@2150mAh	HC-356AM-CNB291M	C
VX-400, VX-150, VX-160, VX-180, VX-210	FNB-V57	7.2v@1200mAh	WC-092K-FNB-V57	D
	FNB-V57	7.2v@1800mAh	HC-092KM-FNB-V57	D
VXA-150 AVIATION RADIO)	FNB-64	7.2V@1200MAH	WC-092K4-FNB-64	D
	FNB-64	7.2V@1800MAH	HC-092K4M-FNB-64M	D
**NOTE: THE VXA-150 RADIO IS SOLD WITH THE FNB64 BATTERY. FNB64 BATTERY ONLY COMES WITH A SIDE CHARGE, BUT WILL WORK IN A DROP IN CHARGER.				
VX-500, VX-520	FNB-29	7.2v@1500mAh	WC-093-FNB29	E
	FNB-29	7.2v@2700mAh	HC-093M-FNB29M	E
	FNB-29(S)	7.2v@1800mAh	WC-093A-FNB29(S)	E
	FNB-29(S)	7.2v@4000mAh	HC-093AM(S)-FNB29(S)M	E
VX-500 ALKALINE CASE	Uses 6 "AA" Alkaline Cells		WCA-093-FNB29	E
VX-510	FNB-29A	7.2v@1800mAh	WC-093A-FNB29(S)	E
VXA-100 AVIATION PRO	FNB-41	9.6v@600mAh	WC-091X3-FNB-41	F
VX-2R	FNB-82LI	3.7v@1000mAh	LC-091X9-FNB82LI	
VX-5R	FNB-58LI	7.2v@1300mAh	LC-091X5-FNB58LI	G
VX-7R	FNB-80LI Li-ion	7.2v@1300mAh	LC-091X6-FNB80LI	G
CLIP FOR VX-5R/7R	CLP-VX5R/7R		CLP-VX5R/7R	H
VX-800	FNB-V62LI	7.4v@1650mAh	LC-091X7-FNB-V62LI	I
VX-900	FNB-V68LI	7.4v@2400mAh	LC-091X8-FNB-V68LI	J
FT-817	FNB-72	9.6v@1200mAh	WC-091X4-FNB72	K
	FNB-72	9.6v@1800mAh	HC-091X4M-FNB72M	K

## Intrinsically Safe Batteries/Factory Mutual Approved

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.	IMAGE
<b>MOTOROLA</b>				
SABER	NTN4596DR	7.5v@1800mAh	IC-060V-4596DR	L
SABER	NTN8251	7.5v@2150mAh	IH-060S-8251	L
GP-300	HNN9701A	7.5v@1200mAh	IC-060Z6-9701A	M
GP-350	HNN9361A	7.5v@1200mAh	IC-060Z8-9361A	N
HT-750	HNN9011AR	7.5v@1500mAh	IC-060M3-9011AR	
HT-750	HNN9010AR	7.5v@2150mAh	IH-060M3-9010AR	
HT-1000	NTN7147AR	7.5v@1500mAh	IC-060M5-7147AR	O
HT-1000	WPNN4037A	7.5v@2100mAh	IH-060M5-4037A	O
XTS-3000	RNN4007AR	7.5v@4000mAh	IH-061HSS-4007AR	



## Universal Clips & Adapters

MFG/MODEL NO. MFG/BATT NO. W & W PART NO.

### ALINCO

DJ193/195/196/493, DJ496/596		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	
DJ-V5		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	

### ICOM

IC-A4		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	
IC-F3/F4/F4TR, IC-T2A		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	
IC-F3GT/GS, IC-F4GS, IC-F21/21S		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	
IC-F11S/F12S		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	
IC-F21GM		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	
IC-F22S		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	
IC-F30GT/GS, IC-F31GT/GS, IC-F40GT/GS, IC-F41GT/GS		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	
IC-V8		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-002	
Universal Clip & Adapter Set	UCA-002	

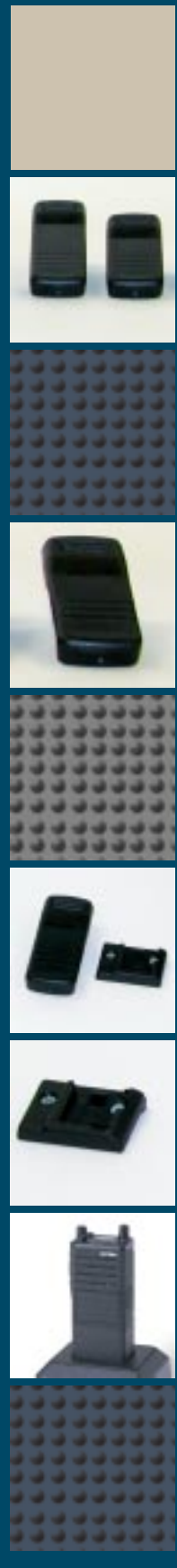
MFG/MODEL NO. MFG/BATT NO. W & W PART NO.

### ICOM CON'T.

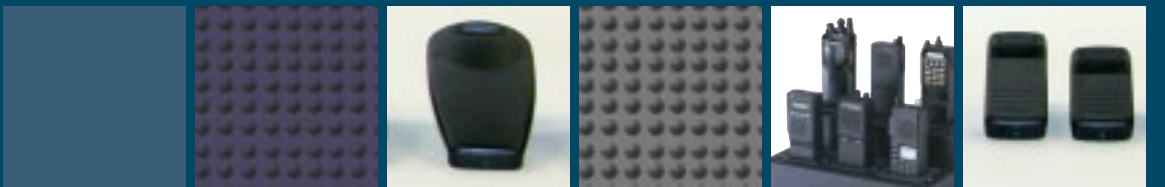
IC-F30LT, IC-F40LT		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001/CM140	
Universal Clip & Adapter Set	UCA-001/CM140	
IC-A5/A23		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001	
Universal Clip & Adapter Set	UCA-001	
IC-T8A/T81A		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001	
Universal Clip & Adapter Set	UCA-001	

### KENWOOD

TK250/350, TK353/355, TK259/359		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-004/SCREW	
Universal Clip & Adapter Set	UCA-004/SCREW	
TK430/431		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-004/SCREW	
Universal Clip & Adapter Set	UCA-004/SCREW	
TK260/360, TK270/370, TK272/372, TK261		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-004/SCREW	
Universal Clip & Adapter Set	UCA-004/SCREW	
TK2100/3100/3101		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-004/SCREW	
Universal Clip & Adapter Set	UCA-004/SCREW	
TK280/380, TK290/390, TK480/481		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-004/SCREW	
Universal Clip & Adapter Set	UCA-004/SCREW	
THD-7A, THG-71A		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001	
Universal Clip & Adapter Set	UCA-001	
TH27/47, TH28/48/78		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-005/SCREW	
Universal Clip & Adapter Set	UCA-005/SCREW	



# UNIVERSAL CLIPS AND ADAPTERS



## Universal Clips & Adapters

MFG/MODEL NO. MFG/BATT NO. W & W PART NO.

### KENWOOD CON'T.

TH-F6

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-005/SCREW
Universal Clip & Adapter Set	UCA-005/SCREW

TH-25AT/45AT, TH-26AT/46AT, TH-75AT/77AT, TK220/320, TK240/340

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-004/SCREW
Universal Clip & Adapter Set	UCA-004/SCREW

TK2140

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-010
Universal Clip & Adapter Set	UCA-010

### MAXON

SP-100

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001
Universal Clip & Adapter Set	UCA-001

SP-120, TP-120

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001
Universal Clip & Adapter Set	UCA-001

SP130/140U/150

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001
Universal Clip & Adapter Set	UCA-001

### MOTOROLA

RADIUS P-10-/P-50, AP10/AP50, CP-10

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001
Universal Clip & Adapter Set	UCA-001

RADIUS SP-50/CP-50

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001
Universal Clip & Adapter Set	UCA-001

RADIUS P-110

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001/ADHW
Universal Clip & Adapter Set	UCA-001/ADHW

MFG/MODEL NO. MFG/BATT NO. W & W PART NO.

### MOTOROLA CON'T.

RADIUS GP300/600, GTX

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001
Universal Clip & Adapter Set	UCA-001

RADIUS LTS2000

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001
Universal Clip & Adapter Set	UCA-001

HT750/1250/1550, GP320/340/360, GP380, GP640/680/1280, PRO5150/7150/9150

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-006
Universal Clip & Adapter Set	UCA-006

HT1000, MTS2000, MTX8000/9000, GP900/1200

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-006
Universal Clip & Adapter Set	UCA-006

W & W's PRO3150, CT250/450 (Black)

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-006
Universal Clip & Adapter Set	UCA-006

ORIGINAL Motorola PRO3150, CT250/450 (Blue/Green)

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-007
Universal Clip & Adapter Set	UCA-007

RADIUS GP350

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001
Universal Clip & Adapter Set	UCA-001

RADIUS P-1225

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001
Universal Clip & Adapter Set	UCA-001

RAVEN IR/IP370, RAVEN i390/i600

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-001/ADHN
Universal Clip & Adapter Set	UCA-001/ADHN

XTS-3000

Universal Clip (Only)	CLP-U
Adapter (Only)	ADP-008
Universal Clip & Adapter Set	UCA-008

# UNIVERSAL CLIPS AND ADAPTERS

## Universal Clips & Adapters

MFG/MODEL NO. MFG/BATT NO. W & W PART NO.

### RELM

MPV, MPV08/MPV32, MPU08/MPU32		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001/RELM	
Universal Clip & Adapter Set	UCA-001/RELM	

### STANDARD

HX381/390/390U		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001	
Universal Clip & Adapter Set	UCA-001	

### TEKK

NT20		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001M/NT20	
Universal Clip & Adapter Set	UCA-001M/NT20	

### UNIDEN

SPU21		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001/SP21	
Universal Clip & Adapter Set	UCA-001/SP21	
SPH51, SPU51		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001/SP51	
Universal Clip & Adapter Set	UCA-001/SP51	
SPH155, SPS801/802, SPU454		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001/SP801	
Universal Clip & Adapter Set	UCA-001/SP801	
SPH255DT		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001/SP801	
Universal Clip & Adapter Set	UCA-001/SP801	
SP310TX, SPS320TSK, SPS301		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001/SP801	
Universal Clip & Adapter Set	UCA-001/SP801	
SPH416/516		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001/SP801	

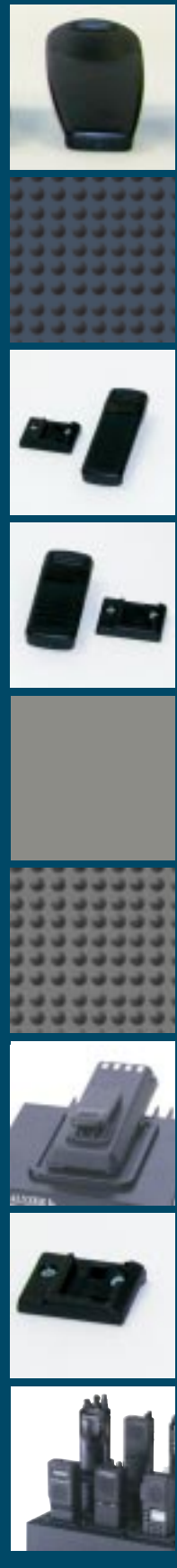
MFG/MODEL NO. MFG/BATT NO. W & W PART NO.

### UNIDEN CON'T.

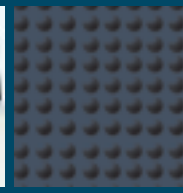
SPU480K		
Universal Clip & Adapter Set	UCA-001/SP801	
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001/SP801	
Universal Clip & Adapter Set	UCA-001/SP801	

### VERTEX/YAESU

VX-2R		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-003	
Universal Clip & Adapter Set	UCA-003 STARWASHER/ & SCREW	
VX-5R/7R		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-003	
Universal Clip & Adapter Set	UCA-003/ STARWASHER & SCREW	
AVIATION PRO 2		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001	
Universal Clip & Adapter Set	UCA-001	
VX-150/160/180/210/210A/400 (W & W battery uses ADP-001), (Original Yaesu uses ADP-011)		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-001 (w/W&W) ADP-011 (w/orig.)	
Universal Clip & Adapter Set	UCA-001 (w/W&W) UCA-011 (w/orig.)	
VX800		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-011	
Universal Clip & Adapter Set	UCA-011	
VX900		
Universal Clip (Only)	CLP-U	
Adapter (Only)	ADP-011	
Universal Clip & Adapter Set	UCA-011	



# BATTERY ELIMINATORS



## Battery Eliminators

MFG/MODEL NO. W & W PART NO.

### ADI

HT600 WCE-104-ADI600

### ALCATEL

ATR 430 WCE-107-430

### ALINCO

DJ160T/E, DJ460T/E, DJ560/560E WCE-505-EBP12N

DJ-F1T/E, DJ-F4T/E, DJ-S1T/E, DJ-S4T/E WCE-515-EBP18N

DJ-180, DJ-580, TJ-582 WCE-525-EBP22N

DJ-191, DJ-G5, DJ-G5TY, DJ-G5TH WCE-530C-EBP36N

DJ-V5 WCE-532-EBP45N

DJ--596T WCE-527-EBP48N

### CHEROKEE

AH-50 WCE-350D-CNB152

### EF JOHNSON

CHALLENGER 5800 WCE-035D-151

VIKING XR WCE-035D3-025

AVENGER SI WCE-035D6-135

CX/CR WCE-035D8-160

### GE - M/A-COM

MONOGRAM SERIES WCE-006A2-4506P3

MPI WCE-008A-6393

KPC300/400 PRISM, LPE200 WCE-005A-BKB203

PCS WCE-010C-5293P1

MRK WCE-001A-3487P1

PANTHER / COUGAR SERIES WCE-349A-TOPB100

JAGUAR 700P WCE-004A1-BKB210

EDACS 300P COMING SOON

### ICOM

IC-A3, A22, IC-H2, IC-H6, WCE-024-CM166

IC-H12, U-12, U-16

IC-2GAT/12GAT, IC-2SA/SE, WCE-024B-IC2

IC-2SAT/Set, IC-3SAT

IC-4SA/SE, IC-24AT/ET, IC-25RA, W2A WCE-024K5B-85B

IC-W21AT, IC-W21ET WCE-024R3-132

IC-2GXAT, IC-2GXA WCE-024RB3-132A

MFG/MODEL NO. W & W PART NO.

### ICOM CON'T.

IC-F30LT/IC-F40LT WCE-024RE-CM140

IC-W31A, Z1A, T22A, T42A, W32A, T7A WCE-024TC-BP173

IC-F3, IC-F4, IC-T2A WCE-024A5-195

IC-F3GT/GS, IC-F21/F21(S), IC-V8 WCE-024T-BP209

### KENWOOD

TH205, 215, 405, 415, TK210, 310, 320 WCE-035G-KNB3

TH26AT/TH46AT/TH75AT/TH77AT WCE-035L-KNB7

TH27/47 & TH28/48/78, TK320 WCE-035RI-PB14

TH22AT/42AT/79A WCE-035TA-PB33

TK250/350/353 - Black WCE-035M-KNB11A

TK430/431 - Grey WCE-035P1-KNB9B

TK260/360, 270/370 WCE-035Q1-KNB15A

THG71A WCE-035W-PB38

TK480/290 WCE-035Q6-KNB17

TK2140/3140 WCE-035A-KNB25A

### KING RADIO

LPH202, LAA105, LAA125, KX99 WCE-035C1-K0105E

### KYODO WEST

KG-109 WCE-036-NC1000

KG-209 WCE-036A-NC1000

### MAXON

SP2000, SL70 WCE-035U2-SA1500

SP-120, SP100 WCE-035U3-QPA1200

TP4800, TP4801 WCE-035U6-TPA1160

SP100 WCE-035U7-QPA1200

WCE-035U8-QPA1200

SP130/SP140 WCE-035U5-MPA1200

LEGACY PL1145/PL2245 WCE-035X-ACC201

SP200V2 WCE-035U9M-QPA900M

### MIDLAND

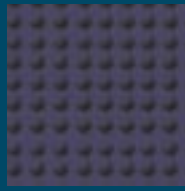
70-154 WCE-036D-70-B24

73-30 WCE-035TA-PB33

73-005 WCE-350D-CNB-152

70-9405 WCE-360-CNB584

70-148,248 WCE-036F-70-B48



## Battery Eliminators

MFG/MODEL NO. W & W PART NO.

### MIDLAND CON'T.

165/265	WCE-036E3-B36
70-155/70-255	WCE-036E2-70-B19
70-440-BP	WCE-036E5M-70-440BP
70-112B	WCE-036D2M-70-112B

### MONARK

CR-1600Cp-ter, QTX SERIES	WCE-350D-CNB-152
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### MOTOROLA

MX300	WCE-055-5860
NEXTEL - LINGO L3000	WCE-057A-8144A
NEXTEL - RAVEN Powerphone	WCE-057D-8100A
HT600	WCE-060M-4585A
HT1000	WCE-060M5-7144A
MT1000	WCE-060Q-4824
SABER	WCE-060S-4593
RADIUS P-200	WCE-060Y-5521
RADIUS-P-100	WCE-060W4-5451A
GP-300	WCE-060Z6-9628A
RADIUS GP350	WCE-060Z8-9360A
RADIUS P1225	WCE-060Z9-9049
RADIUS P110	WCE-060W8-8148
VISAR	WCE-061D-7394
XTS2000	COMING SOON
XTS3000	WCE-061H-8294A
GP68	WCE-037C-4000B
HT750 SERIES	WCE-060M3
CP-150	COMING SOON
EX500/600	WCE-036P-4024BR

### RADIO SHACK

REALISTIC, HTX202	WCE-024B-IC2
REALISTIC, HX204	WCE-350D-CNB-152
HTX 420	WCE-343L-HTX420

### RELM

WHS150	WCE-069-BP007
MP SERIES	WCE-069A-BPMP
RPV516A, RPV599A	COMING SOON

MFG/MODEL NO. W & W PART NO.

### SECTOR

HS1000	WCE-036F-70-B48
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### STANDARD

C158/C228/C528/C558/C628/C28A,HX240	WCE-350D-CNB-152
C168A/C468	WCE-355D-CNB-162
HX580, HX581T, HX582T	WCE-360-CNB-584A
HX381	WCE-358-CNB381
HX292, VX310	WCE-356-CNB290

### TAIT

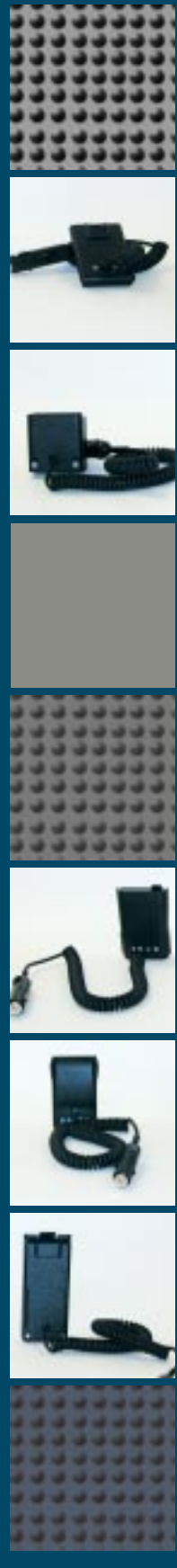
T3000	WCE-349-1042
ORCA	WCE-349A-TOPB100

### UNIDEN

SP310, 320, 301	WCE-375-APX1100
SPU480K	WCE-374A-APX550
SPS-801/802	WCE-376-APX1105
SPH255DT	WCE-376C-APX1115
SPH416	WCE-377A-APX1070

### VERTEX/YAESU

FT23R/33R/73R/FT411E/411R/811R/470R, FTH2005/2008/2010/FTH7005/7008/7010	WCE-091F-FNB17
FT-11R/41R, FT-51	WCE-091B3-FNB35(S)
FT-109RH, 209R/709R, 727R, FT103R, 203R, 703R, FTC-1123/1143	WCE-091L4-FNB4
FT-26/76, FT-415, FT-530, FT-815	WCE-091N-FNB25
FTH-2009/7009	WCE-092D-FNB-21(S)
FT10R/40R	WCE-091X3-FNB41
FTH2070	WCE-091Z-FNB16
VX-10 ONLY	WCE-091X2-FNB47
VX200	WCE-092H-FNB43(S)
VX300	WCE-092HE-FNB55
VX400, VXA 150	WCE-092K-FNB-V57
VX500	WCE-093-FNB29
VX800	WCE-091X7-VX800





# BAR CODE SCANNER REPLACEMENT



## Bar Code Scanner Replacement Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.
<b>DOLPHIN™</b>			
HC = NiMH   LC = Lithium Ion   WC = NiCd			
7200	20000233	3.6v@2150mAh	HS-063M-7200M
7400, 7300	20000552	3.6v@2700mAh	HS-065M-7400M
<b>INTERMEC™</b>			
9440	048106, 048294	6v@1300mAh	WS-160-9440
T2420,2430	NPF550	7.2v@1500mAh	LS-163-2420L
	MPE101807, 063189-003	4.8v@300mAh	WS-164-2420
2425	63278	1300mAh	LS-163CL-2425
LXE 2280	152290-001	7.2v@700mAh	WS-223-2280
	155467-001	7.2v@1100mAh	HS-223M-2280M
LXE MX2	990004-0002	3.6v@1650mAh	HS-310M-325M
<b>NORAND™</b>			
RT1100	317-078-002	7.5v@700mAh	WS-263-RT1100
	317-078-002	7.5v@1100mAh	HS-263M-RT1100M
1700	317-081-001	7.2v@1200mAh	WS-265-1700
	317-081-010	7.2v@1650mAh	HS-265M-1700M
4400	317-084-003	6v@1000mAh	WS-266-4400
6210	317-207-001 backup batt	2.4v@1200mAh	WS-268-6210 w/plug
6300	317-082-002	7.2v@1400mAh	WS-269-6300
	317-082-011	7.2v@1800mAh	HS-269M-6300M
<b>PSC PERCON FALCON™</b>			
325, 335, 345	00-864-00	3.6v@1650mAh	HS-310M-325M
<b>SYMBOL™</b>			
PDT3100	KT12596-01, 03	6v@300mAh	WS-360-PDT3100
	KT12596-04	6v@600mAh	HS-360M-PDT3100M
PDT3300	50-14000-059, 617830000		
	Q1886	6v@700mAh	WS-363-PDT3300
		6v@1100mAh	HS-363M-PDT3300M
PDT61X0, PDT6140	21-39369-03, 21-41321-03		
	21-33061-01	3.6v@1650mAh	HS-370M-PDT6140M
LRT3800,3805-7	21-17900-01	6v@700mAh	WS-366-LRT3800
	21-17900-01	6v@1100mAh	HS-366M-LRT3800M
w/out end cap	60083-00-00F	4.8v@700mAh	WS-367-LRT3800
	60083-00-00F	4.8v@1100mAh	HS-367M-LRT3800M
QUICK GRIP PDT8100	21-56661-01	3.7v@1950mAh	LS-371L-PDT8100L
LRT6800	21-35217-02, 21-38796-01, 02	6v@700mAh	WS-368-LRT6800
		6v@1100mAh	HS-368M-LRT6800M

## Bar Code Scanner Replacement Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.
<b>SYMBOL™ CON'T.</b>			
HC = NiMH   LC = Lithium Ion   WC = NiCd			

PALM SPT1700	IUF103450, 20-36098-01	3.7@1550mAh	LS-369L-SPT1700
PDT 8100, PPT 2800	21-52319-01	3.7v@1800mAh	LS-369L(S)-SPT1700

### TELXON™

TELXON PTC-860	14861-000	4.8v@1400mAh	WS-375-PTC860
	14861-000	4.8v@2700mAh	HC-375M-PTC860M
TELXON PTC-912	19903-106, 17503-003	6v@650mAh	WS-380-PTC912
	19903-106, 17503-003	6v@850mAh	HS-380M-PTC912M
TELXON PTC-960,960DS	14881-000, 253184	4.8v@700mAh	WS-383-PTC960DS
	14881-000, 253184	4.8v@1100mAh	HS-383M-PTC90DSM
TELXON PTC-960SL	17503-002	7.2v@700mAh	WS-386-PTC960SL
	17503-002	7.2v@1100mAh	HS-386M-PTC960SLM
	23065-001	7.4v@1650mAh	LS-386L-PTC960SLL
TELXON PTC-2000	30759-001	3.6v@1200mAh	WS-392-PTC2000
	30759-001	3.6v@1650mAh	HS-392M-PTC2000M
TELXON PTC-960LE	22409-101	7.4v@1300mAh	LS-384-PTC960LE

## Bar Code Printer Replacement Batteries

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.
<b>COGNITIVE CODE</b>			

COURIER PT-422003, PW-422003	60-90-12-0011	14.4v@1200mAh	NPR-040-422003
	60-90-12-0011	14.4v@1650mAh	HPR-040M-422003M
RANGER	101221-01	7.2v@1650mAh	HPR-042M-RANGER

### ZEBRA

MP5044	CC-11281-000	12v@1800mAh	NPR-505-MP5044
	CC-11281-000	12v@2700mAh	HPR-505M-MP5044M
PA400/PT400	505081M	14.4v@1200mAh	NPR-508-PA400

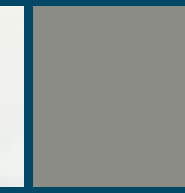
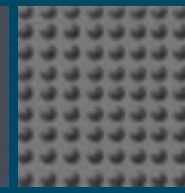
## Pocket Pager Batteries—Nickel Cadmium

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.
<b>MOTOROLA</b>			

DIMENSION 2000	NLN7057A,60-5842E02	1.2v@700mAh	WC-045A-7057
MINITOR I (SPIRIT)	NLN6965A,60-5104A01	1.2v@150mAh	WC-303-6965
MINITOR II	NRN4974,60-5276L01	2.4v@150mAh	WC-316-4974
MINITOR III	takes 2 AAA batteries (NiCd)	2.4v@300mAh	WC-318-AAA



# SPRING CLIPS & PLATES



## Spring Clips & Plates for Transceivers

RADIO USED IN	BATTERY REFERENCES	SPECIFICATIONS	W & W PART NO.
<b>ICOM</b>			
HC = NiMH   LC = Lithium Ion   WC = NiCd			
IC-F30LT	Plate & Screws (ONLY)		PLT-CM140
IC-F30LT	Plate, Screws & Spring Clip Set	Long clip 3-1/2" Short clip 2-1/2"	PLT-CM140/ML PLT-CM140/SL
IC-F3,IC-F4	Spring Clip	Long 3-1/2"	CLP-ML
IC-T2A	Short 2-1/2"	CLP-MS	
<b>KENWOOD</b>			
TK250/350/430	Plate & Screws (ONLY)		PLT-KNB12
	Plate, Screws & Spring Clip Set	Long clip 3-1/2" Short clip 2-1/2"	PLT-KNB12/ML PLT-KNB12/MS
TK260/360	Plate & Screws (ONLY)		PLT-KNB15
	Plate, Screws & Spring Clip Set	Long clip 3-1/2" Short clip 2-1/2"	PLT-KNB12/ML PLT-KNB12/MS
TK260,270,290,480	Spring Clip	Long 3-1/2"	CLP-WKBH8
THG71A,THD-7A	Spring Clip	Long 3-1/2" Short 2-1/2"	CLP-ML CLP-MS
<b>MAXON</b>			
SP100,SP120,SP130	Spring Clip	Long 3-1/2" Short 2-1/2"	CLP-ML CLP-MS
<b>MOTOROLA</b>			
GP300,GP350, GP1225, for Spring Clips	Adhesive Plate (ONLY)		CLP-PLATE(M)
	Spring Clip	Long 3-1/2" Short 2-1/2"	CLP-ML CLP-MS
P110	Adhesive Plate & Spring Clip Set	Long clip 3-1/2" Short clip 2-1/2"	PLT(ADH)-MOT/ML PLT(ADH)-MOT/MS
RAVEN,1R/IP370, i390,i600	Adhesive Plate (ONLY)		CLP-PLATE (M/R)
	Adhesive Plate & Spring Clip Set	Long clip 3-1/2" Short clip 2-1/2"	PLT(ADM)-MOT/ML(R) PLT(ADM)-MOT/MS(R)
HT1000, HT750	Spring Clip	Long clip 3-1/2"	CLP-HT1000-ML
LINGO L3000		Short clip 2-1/2"	CLP-HT1000-MS
XTS3000	Spring Clip	Long clip 3-1/2"	CLP-XTS
<b>UNIDEN</b>			
APX550,1050,1070	Plate & Screws (ONLY)		PLT-SPS801
1100,1105,1115	Plate, Screws & Spring Clip Set	Long clip 3-1/2" Short clip 2-1/2"	PLT-SPS801/ML PLT-SPS801/MS
SP21	Plate & Screws (ONLY)		PLT-SP21
	Plate, Screws & Spring Clip Set	Long clip 3-1/2" Short clip 2-1/2"	PLT-SP21/ML PLT-SP21/MS
SP51	Plate & Screws (ONLY)		PLT-SP51
	Plate, Screws & Spring Clip Set	Long clip 3-1/2" Short clip 2-1/2"	PLT-SP51ML PLT-SP51MS

**NEW**

## Universal Charger 1 & 6®

Finally, One charger that works with NiCd, NiMH & Li-ion Batteries

A unique concept, a truly Universal Charger that can charge all Chemistries: NiCD, NiMH, Li-ion and Li-ion Polymer with one adapter cup. Not only can it charge all chemistries in one cup, the adapter cups are easily changed without the use of any tools. This concept means that you will never have to buy another Battery Charger, just replace the adapter cups!



Universal Charger 1® (UC-1)

### Universal Charger 1 & 6®

- Can charge all Nickel-based and Lithium ion-based batteries with a single cup dedicated to a particular product. Batteries from 1.2v to 13.2v (max 3 amps)
- Will charge a battery in typically a 1/2 hour to 2 3/4 hours, then automatically goes into a trickle charge state
- A constant current rapid charger utilizing a Microprocessor based control unit which uses a negative delta (V) and delta (T)/delta(t) to determine when the battery is fully charged
- Charges 1-12 cells Nickel-based batteries; 1-3 Lithium ion-based batteries
- AC adapter (115vac or 220vac)

**NEW**



Universal Charger 6® (UC-6)

Adapter cups are available for most batteries illustrated in this catalog. For special cups, please call us.

Warranty: One year on parts and labor from date of purchase with copy of original purchase order. All specifications are subject to change without notice.

## MasterCharger A Series

This product has been discontinued, but will still be supported.



MasterCharger 1a & 6a®

## Battery Analyzers & Conditioners for today and beyond!

**NEW**

### Rapid Analyzer 1 & 4®

- **(3) MINUTE STATE OF HEALTH EVALUATION:** The RAPID ANALYZER 1 & 4 will analyze the specified battery chemistries (NiCd, NiMH, Li-ion) in (3) Minutes, giving the expected capacity the battery will deliver when fully charged. For this test the RAPID ANALYZER 1 & 4 requires the battery to be charged at least to 25% of it's rated capacity, if it isn't, the unit will charge the battery automatically to the required level and then perform the test in question automatically. The unit utilizes a proprietary algorithm to perform this evaluation.
- **ADAPTER CUPS, MULTI-CHEMISTRY:** One adapter cup can be used with Nickel -Cadmium, Nickel - Metal Hydride, Lithium - Ion and Lithium - Polymer Batteries. The same Adapter Cups not only will function with all these Chemistries, but will allow all OEM battery Capacities to be programmed into a single Adapter Cup. In addition, allowing the user to program a non OEM battery into one memory location in each Adapter Cup, Utilizing the Single Function Button.
- **SINGLE BUTTON OPERATION:** Initiates all modes of operation with a single Function Button. These units are totally user friendly.
- **IMPEDANCE TEST**
- **CHARGE MODE ONLY**
- **CONDITION MODE**
- **DISCHARGE ONLY**



Rapid Analyzer 1®

Optional Serial Printer Coming Soon! Computer Software for "RAPID ANALYZER 1 & 4"

**NEW**



Rapid Analyzer 4®

Analyzer/Conditioner adapter cups are available for Two-Way, Cellular, Camcorder, Bar Code Scanners, Lithium Polymer and Lithium Ion batteries. Call for custom design adapter cups.

## SPECIFICATIONS

**Battery Chemistries:** Nickel Cadmium, Nickel Metal Hydride, Lithium Polymer, Lithium Ion chemistries.  
**Method of End of Charge Detection:** NiCd/NiMH: Peak voltage, -Delta v time. Li-ion, Lithium Polymer: Two-step fast charge (constant current followed by constant voltage). Charge termination (minimum current,time)  
**Battery Range:** Ni-Cd & NiMH: 1 to 12 cells. (9.999 amps max): 3 to 9 cells. Lithium Ion (certain chemistries): 1 to 4

cells under special conditions.  
**Charge Rates Available:** Battery dependent-A continuous range from 10mA to 4000mAh available  
**Discharge Rates Available:** A constant range from 10mA to 4000mAh to a maximum of 15 watts per station.  
**Maximum Capacity Displayed:** 9,999 mAh.  
**Input Voltage:** 90 VAC to 264 VAC, 47 to 63 Hz., Single Phase, Auto-Ranging. Input connector: 3 prong Male IEC 320 Inlet.

**Size:** 1 Station unit, (L x H x W) 6.1" x 3.5" x 8", (155 x 89 x 203mm) 3 Station unit, (L x H x W) 11.5" x 3.5" x 8", (292 x 89 x 203mm) 6 Station unit, (L x H x W) 23" x 3.5" x 8", (584 x 89 x 203mm)  
**Weight:** 1 Station unit = 1.66 lbs. (0.34 kg) 3 Station unit = 5 lbs. (2.05 kg) 6 Station unit = 10 lbs. (4.1 kg)  
**Agency Approvals:** UL, CSA, CE.  
 ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

## Analyzer IIIa® & Analyzer VIa®

- These two products have features that are standard, which are not available on others at any price
- **SINGLE BUTTON OPERATION:** Initiates all modes of operation. These units are totally user friendly
- **INDEPENDENT CHARGE RATES PER CUP:** Independent charge rates, all of which are cup or adapter selected and do not require a computer or operator interface (dependent on battery specifications)
- **INDEPENDENT DISCHARGE RATES PER CUP:** Independent discharge rates, all of which are cup or adapter selected and do not require a computer or operator interface (dependent on battery specifications)
- **INDEPENDENT CHARGE & DISCHARGE** rates allows the batteries to be properly analyzed and conditioned, unlike other analyzers that can only address a very limited number of batteries, due to having only one charge and one discharge rate
- **ADAPTER CUPS:** A large variety of adapter cups are available that are completely interchangeable, requiring no tools to change from one adapter cup to another. You have your choice of the first set of cups at no extra cost, as determined by the model analyzer you purchase



Analyzer IIIa®



Analyzer VIa®

## Optional Equipment

**UNIVERSAL ADAPTER:** This is truly a universal adapter for NiCd and NiMH batteries only. All one has to do is connect the "UNIVERSAL ADAPTER" as though it was a typical battery cup. There are three rotary switches and a moxer connector mounted on it.

**COMPUTER SERIAL PORT (RS232):** Allows easy access to Personal Computers with Windows 95,98, 2000,NT4.0 (with service pack #6) and Windows professional.

Universal Adapter



## SPECIFICATIONS

**Battery Chemistries:** Nickel Cadmium, Nickel Metal Hydride, Lead Acid and Lithium Ion chemistries.

**Method of End of Charge Detection:** NiCd/NiMH: Peak voltage, time. Li-ion: Two-step fast charge (constant current followed by constant voltage) Charge termination (minimum current,time)

**Battery Range:** Ni-Cd and NiMH: 1 to 12 cells. Lead Acid (9.999 amps max): 3 to 9 cells. Lithium Ion (certain

chemistries): 1 to 5 cells under special conditions.

**Charge Rates Available:** Battery dependent-A continuous range from 10mA to 1500mA available

**Discharge Rates Available:** A constant range from 10mA to 1500mA to a maximum of 15 watts per station.

**Maximum Capacity Displayed:** 9,999 mAh.

**Input Voltage:** 90 VAC to 264 VAC, 47 to 63 Hz., Single Phase, Auto-Ranging. Input connector: 3 prong Male IEC 320 Inlet.

**Size:** 1 Station unit, (L x H x W) 6.1" x 3.5" x 8", (155 x 89 x 203mm) 3 Station unit, (L x H x W) 11.5" x 3.5" x 8", (292 x 89 x 203mm) 6 Station unit, (L x H x W) 23" x 3.5" x 8", (584 x 89 x 203mm)

**Weight:** 1 Station unit = 1.66 lbs. (0.34 kg) 3 Station unit = 5 lbs. (2.05 kg) 6 Station unit = 10 lbs. (4.1 kg)

**Agency Approvals:** UL, CSA, CE.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



## Powerpac+®

External Powerpac+® allows extended use for Two-Way Radios, Camcorders & Cellular Phones.

Powerpac+® comes with a 12v@7 Amps sealed Lead Acid battery. Powerpac+® Includes: heavy duty pouch and belt, sealed Lead Acid battery and charger.

**Optional:** Charging cord for car, boat or plane.



Power Supply



12v@7 Amps

# Original Equipment Manufacturer

State-of-the-art production methods have made us a leading Original Equipment Manufacturer (OEM). Our engineering staff will assist you with all your custom design requirements. If you have any questions regarding our OEM and custom-design capabilities, please contact us...

CELL SIZE	RATED CAPACITY (mAh)
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### NICKEL CADMIUM CELLS

Z/x AA	300
B/v AA	1300
AA	750
AA	1200
AAA	220
Z/c Af	250
X/c Af	660
V/b Af	1500
Af	1700
Sub C	1800
C	2000
X/c D	2300
N	150

Available with tabs upon request

### NICKEL METAL HYDRIDE CELLS

AA	1500
B/v AA	1800
X/c Af	1000
V/b Af	2000
Af	2700

Available with tabs upon request

TYPE	VOLTAGE	RATED CAPACITY (mAh)
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### STREAMLIGHT FLASHLIGHT BATTERY STICKS

SL15	6.25	1800
SL20	6.25	2200
SL35	6.25	4000
Light Box Lantern Flashlight	6.25	1000

### GEL & LEAD ACID BATTERIES

NP7-12	12	7000
NP10-6	6	1000
D	2	2500
X	2	5000





# Video Batteries

W & W Manufacturing carries a full line of video accessory batteries for all major brands. Call for pricing and availability!

Canon, GE, Sony, Panasonic, JCV, Hitachi, RCA and many more!



W&W Manufacturing Co. is proud to be a member of the Rechargeable Battery Recycling Corporation.



Brand names are used as cross reference only. Registered trademarks are the property of their respective owners.

Made in the USA

All Specifications are subject to change without notice.

## BATTERIES

### 14 Month Warranty

W & W Manufacturing Co. warrants the purchase of any W & W replacement battery that is proved to be defective due to improper workmanship and/or material.

For a period of fourteen (14) months from the date product is shipped from our facility, W & W will replace any defective product. Defective product will only be replaced after original product is returned and evaluated. This warranty does not cover defects caused by unusual physical abuse, or misuse of product, modifications, repair or alterations of product.

Replacement product will be covered under warranty from original date of purchase.

## ELECTRONIC EQUIPMENT

### One Year Warranty

All chargers and analyzers are warranted by the W&W Manufacturing Co. for one year from date product is shipped from our facility. All parts and services are covered under the warranty period. Warranty is subject to the same stipulations listed above under Battery Warranty.

## RETURNS

To return a product, please call our office and request a Return Material Authorization (RMA) Number. Please reference this number on the outside of your package. A detailed letter accompanying the returned product would be helpful. Shipping expenses are the original purchaser's responsibility.





WHERE QUALITY IS #1

**Made in USA**

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