

## Reliable Energy For Dangerous Areas

Logic Energy intrinsically safe batteries are top quality products designed for safely powering your two-way radio in areas where combustible dusts, fibers, or gases exist. Solid engineering and adherence to rigorous assembly standards ensure that Logic Energy batteries will keep workers safe and their radios reliably powered. Key benefits include:

- Certified by SGS to TIA-4950 / CSA C22.2 No. 157 / UL 913 5th Edition standard for intrinsically safe and non-incendive use. (See back for additional information.)
- All models incorporate Japanese cells for optimal performance and longer cycle life.
- Use of flex boards and shock absorbing materials protect the battery if dropped or subjected to sudden impact.
- Excellent fit with specified radios and compatible with Endura, Logic, and OEM chargers.
- Belt clip included with applicable models.

### For Kenwood Radios



LEKNB41MHIS  
(Kenwood NX-210)



LEKNB40LIIS  
(Kenwood NX-420)



LEKNBL2LIIS  
(Kenwood NX-5400)

### For Motorola Radios



LE4069LIIS  
(Motorola XPR6550)



LE9857MHIS  
(Motorola XTS2500)



LE4007MHXTIS  
(Motorola XTS5000)

### For Harris Radios



LE1912MHIS  
(Harris P7100)



LE234366LIIS  
(Harris XG-75P)

Authorized Dealer:

## Specifications

Part Number	LE4069LIIS*	LE4007MHXTIS	LE9857MHIS	LE234066LIIS	LE1912MHIS
Radio Models (Partial Listing)	Motorola XPR6350 XPR6550	Motorola XTS3000, XTS3500 XTS5000	Motorola XTS1500, XTS2500, MT1500	Harris XG25P, XG75P, P5300, P7300	Harris P5100, P5200, P7100, P7200
Replacement For	PMNN4069	RNN4007	NTN9857	BT-023406-006	BKB191210/36
Cell Type	Li-Ion (Panasonic UR18650ZY)	NiMH (FDK HR-4/3AU)	NiMH (FDK HR-AU)	Li-Ion (Panasonic UR18650ZY)	NiMH (FDK HR-AU)
Capacity	2200 mAh	3500 mAh	2500 mAh	2500 mAh	2500 mAh
Voltage	7.4 V	7.5 V	7.5 V	7.4 V	7.5 V
Cycle Life	> 500	> 400	> 450	> 450	> 450
Weight	0.27 lbs / 123.0 g	0.81 lbs / 376.4 g	0.63 lbs / 285.8 g	0.34 lbs / 154.2 g	0.56 lbs / 254.0 g
Dimensions	5.07" x 2.13" x 0.89" 128.8 x 54.0 x 22.6 mm	6.17" x 2.36" x 0.93" 156.7 x 59.9 x 23.9 mm	4.84" x 2.32" x 0.98" 122.9 x 58.9 x 24.9 mm	4.52" x 2.44" x 1.01" 114.8 x 62.0 x 25.7 mm	4.65" x 2.35" x 0.94" 118.1 x 59.7 x 23.9 mm
Belt Clip	Included	Included	Included	Included	N/A
Rating	IP64	IP60	IP60	IP64	IP60
Certification	A	B	B	E	B

Part Number	LEKNB40LIIS	LEKNB41MHIS	LEKNBL2LIIS
Radio Models (Partial Listing)	Kenwood NX220, NX320, NX420	Kenwood NX210, NX410, TK5210, TK5310	Kenwood NX5200, NX5300, NX5400
Replacement For	KNB-68LC	KNB-41NC	KNB-LS5
Cell Type	Li-Ion (Panasonic NCA103450)	NiMH (FDK HR-4/5AU)	Li-Ion (Panasonic UF553450Z)
Capacity	1900 mAh	2500 mAh	3400 mAh
Voltage	7.4 V	7.2 V	7.4 V
Cycle Life	> 500	> 450	> 450
Weight	0.28 lbs / 127.0 g	0.58 lbs. / 263.1 g	0.42 lbs. / 190.5 g
Dimensions	3.95" x 2.21" x 0.89" 100.4 x 56.0 x 22.5 mm	4.64" x 2.25" x 0.92" 117.9 x 57.2 x 23.4 mm	4.59" x 2.28" x 1.11" 116.5 mm x 57.9 mm x 28.2 mm
Belt Clip	N/A	N/A	N/A
Rating	IP64	IP64	IP67
Certification	A	C	D



Certified by SGS to TIA-4950 / CSA C22.2 No. 157 / UL 913 5th Edition standard for intrinsically safe and non-incendive use as referenced.

- (A) LE4069LIIS / LEKNB40LIIS - Intrinsically safe use (Class I, II, III / Division 1 / Groups C-G / -20° C to 40° C, T3C) and non-incendive use (Class I, II, III / Division 2 / Groups A-G / -20° C to 40° C, T3C).  
 (B) LE4007MHXTIS, LE9857MHIS, LE1912MHIS - Intrinsically safe use (Class I, II, III / Division 1 / Groups C-G / -20° C to 40° C, T3C) and non-incendive use (Class I / Division 2 / Groups A-D / -20° C to 40° C, T3C).  
 (C) LEKNB41MHIS - Intrinsically safe use (Class I, II, III / Division 1 / Groups C-G / -20° C to 40° C, T3) and non-incendive use (Class I, Division 2, Groups A-D / -20° C to 40° C, T3).  
 (D) LEKNBL2LIIS - Intrinsically safe use (Class I, II, III / Division 1 / Groups A-G / -20° C to 60° C, T3B) and non-incendive use (Class I, II, III / Division 2 / Groups A-G / -20° C to 60° C, T3B).  
 (E) LE234066LIIS - Intrinsically safe use (Class I, II, III / Division 1 / Groups A-G / -20° C to 60° C, T4) and non-incendive use (Class I, II, III / Division 2 / Groups A-G / -20° C to 60° C, T4).

\*Not compatible with XPR6580 IS CSA.



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