THE INTELLIGENT WAY TO COMMUNICATE.

TALK LONGER.
WORK SMARTER WITH
IMPRES™ TECHNOLOGY.

We created our patented IMPRES technology as an integral part of our two-way radio batteries, and chargers. Users who rely on IMPRES call it innovative and indispensable. We call IMPRES the intelligent way to communicate – offering enhanced performance and exceptional capabilities for your radio, your battery and its charger, your workforce and workplace.

IMPRES SMART ENERGY SYSTEM

For the line worker on a long shift or the public works officer laboring overtime to restore power, the job stops when their radio stops operating. Our innovative IMPRES battery charging and reconditioning system streamlines and automates battery maintenance. It draws on our exclusive technology that enables communication between your battery and charger to help lengthen battery life and extend talk time.

AUTOMATES BATTERY MAINTENANCE

You want to be sure you get the most out of every battery by maximizing its life. With IMPRES you can, because it automates battery reconditioning, adapting the intervals to each battery's usage pattern. IMPRES batteries and chargers have the capability to exchange data. This allows the IMPRES charger to evaluate the usage pattern of an IMPRES battery and determine the optimum reconditioning interval, thus optimizing battery life.

ELIMINATES OVERCHARGING

IMPRES batteries can be left in their IMPRES chargers for extended periods without heat damage from the charger. If radios are accidentally left in the charger – overnight, over a weekend or longer – there shouldn't be any worry about shortening your battery's life. Because the IMPRES charger automatically monitors battery capacity, batteries are safely charged to the right capacity and always ready to go.

BETTER DATA FOR BETTER DECISIONS

IMPRES batteries store critical usage information so you don't have to. Each two-line IMPRES charger display presents data at a glance, so you can make informed decisions about battery replacement. Data includes key information such as: battery capacity, time remaining to complete charging, and each battery's unique serial number. If you're operating a large fleet of batteries, IMPRES Battery Data Reader is a valuable diagnostic tool to evaluate individual IMPRES batteries. Furthermore, IMPRES Battery Fleet Management collects and consolidates that data automatically, so you can quickly and easily identify when batteries need to replaced.

EXTENDED WARRANTY

When you use IMPRES batteries exclusively with IMPRES chargers, you can count on a 6-month extension to your capacity warranty coverage over Motorola standard batteries.

TESTED TOUGH AND PROVEN TOUGH

All Motorola IMPRES batteries are Proven Tough. Time after time, in lab test after test – for Drop, Vibration and ESD (Electrostatic Discharge) – they withstand shocks, knocks, drops and shakes and outperform the leading brands. If your radio gets banged on a ride, rattled by heavy equipment or shocked by static electricity, you can depend on IMPRES batteries to stay true and stand tough.

RADIO MODELS AND COMPATIBLE IMPRES™ BATTERIES

APX™ 7000, APX 6000, APX 7000XE

Battery Part Number	Battery Description	Special Features
NNTN7037	2100 mAh NiMH	IP67[1]
NNTN7573	2100 mAh NiMH	Rugged[2]
NNTN7036	2000 mAh NiMH	IP67, Intrinsically Safe[3]
NNTN7035	2000 mAh NiMH	Rugged, Intrinsically Safe
PMNN4403	2150 mAh Li-Ion slim	IP67
NNTN8092	2300 mAh Li-Ion	Rugged, Intrinsically Safe
NNTN7038	2900 mAh Li-Ion	IP67
NNTN7034	4200 mAh Li-Ion high capacity	IP67
NNTN7033	4100 mAh Li-Ion high capacity	IP67, Intrinsically Safe

The batteries listed above can be used with the following IMPRES chargers
WPLN7080 – IMPRES Single-User Charger
NNTN7586 – IMPRES Dual-Unit Charger
NNTN7593 – IMPRES Dual-Unit Charger with Displays
NNTN7065 – IMPRES Multi-Unit Charger
NNTN7073 – IMPRES Multi-Unit Charger with Displays
NNTN7624 – IMPRES Vehicular Charger
RLN5382 – Individual IMPRES Display Module for NNTN7065

ASTRO® DIGITAL XTS® 5000, XTS 3500, XTS 3000

Battery Part Number	Battery Description	Special Features
NNTN4435	1800 mAh NiMH	
NNTN4436	1700 mAh NiMH	Intrinsically Safe
NNTN4437	1700 mAh NiMH	IP57, Intrinsically Safe
NTN9862	2750 mAh Li-Ion	
PMNN4093	3000 mAh high capacity NiMH	
NNTN6034	4150 mAh high capacity Li-Ion	
NNTN7453	3950 mAh high capacity Li-Ion	Rugged, Intrinsically Safe
HNN9031	1525 mAh NiCD	
HNN9032	1525 mAh NiCD	Intrinsically Safe

ASTRO DIGITAL XTS 2500, XTS 1500, MT 1500™, PR1500

Battery Part Number	Battery Description	Special Features
NTN9858	2100 mAh NiMH	
NTN9857	2000 mAh NiMH	Intrinsically Safe
NNTN6263	2000 mAH NiMH	IP67, Intrinsically Safe
NNTN7554	2050 mAh Li-Ion slim	
NNTN7335	2700 mAh Li-Ion	IP67

The batteries listed above can be used with the following IMPRES chargers
WPLN4111 – IMPRES Single-User Charger
WPLN4108 – IMPRES Multi-Unit Charger
WPLN4130 – IMPRES Multi-Unit Charger with Displays
WPLN4208 – IMPRES Vehicular Charger
(XTS radios, MT1500 and PR1500 only)
RLN5382 – Individual IMPRES Display Module for WPLN4108

MOTOTRBO™ (XPR™ 6500, XPR 6550, XPR 6580, XPR 6300, XPR 6350, XPR 6380)

Battery Part Number	Battery Description	Special Features
PMNN4066	1500 mAh Li-Ion	IP57
PMNN4069	1400 mAh Li-Ion	IP57, Intrinsically Safe
PMNN4077	2150 mAh Li-Ion	IP57

The batteries listed above can be used with the following IMPRES chargers
WPLN4232 – IMPRES Single-User Charger
WPLN4212 – IMPRES Multi-Unit Charger
WPLN4219 – IMPRES Multi-Unit Charger with Displays
NNTN7616 – IMPRES Vehicular Charger
RLN5382 – Individual IMPRES Display Module for WPLN4212

PROFESSIONAL SERIES (HT1250, HT1250.LS, HT1250.LS+, HT1550.XLS, MTX850, MTX850.LS, MTX8250, MTX950, MTX9250, PR860)

Battery Part Number	Battery Description	Special Features
HNN4001	1800 mAh NiMH	
HNN4002	1690 mAh NiMH	Intrinsically Safe
HNN4003	2000 mAh Li-Ion	

The batteries listed above can be used with the following IMPRES chargers
WPLN4182 – IMPRES Single-User Charger
WPLN4187 – IMPRES Multi-Unit Charger
WPLN4192 – IMPRES Multi-Unit Charger with Displays
NNTN7618 – IMPRES Vehicular Charger
RLN5382 – Individual IMPRES Display Module for WPLN4187

THE FOLLOWING HARDWARE AND SOFTWARE APPLICATIONS SUPPORT ALL IMPRES BATTERIES LISTED ABOVE

IMPRES Battery Fleet Management
NNTN7676 IMPRES Battery Fleet Management Software
HKVN4036 IMPRES Battery Fleet Management Entitlement Key
NNTN7677 Multi-Unit Charger Interface Unit (CIU)
NNTN8045 Single-Unit Charger Interface Unit (CIU) – not compatible with WPLN4108 (XTS Single Unit Charger)

IMPRES Battery Reader
NNTN7392 IMPRES Battery Reader Package – includes battery reader hardware, system software, USB cord, adapter inserts for MOTOTRBO, HT-series and APX.

[1] International Protection (IP) is a global standard for rating dust and water protection. The first digit IP5x or IP6x represents increased levels of dust protection, while the second digit, IPx7 represents withstanding submersion in 1 meter of fresh water for 30 minutes.

[2] Rugged batteries exceed industry standards (IPx7) for submergibility and provide a higher level of water protection – MIL-STD-810E, Method 512.3 (Immersion). These batteries meet the incremental requirement of submersion in 1 meter of fresh water that is 27C colder than the product for 2 hours.

[3] Intrinsically Safe: Motorola approved batteries are a critical part of the specific radio and accessory system certified by a recognized testing organization as intrinsically safe. Use of non-Motorola approved batteries could result in equipment that is unapproved or unsafe in a hazardous environment.

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