



**MOTOROLA SOLUTIONS**

# IMPRES™ 2

**A NEW GENERATION.  
COMPLETELY RE-ENERGIZED.**







# IMPRES 2

**YOUR RADIO IS YOUR LIFELINE.  
IF YOUR BATTERY DIES,  
IT JEOPARDIZES EVERYTHING.**



That's why we introduced the original IMPRES energy system. With automated power management, IMPRES chargers deliver accurate information on every IMPRES battery in your fleet, so you can be confident in your team's ability to communicate no matter what they're up against.

Now there's IMPRES 2 designed for APX™ series radios. It's a next-generation energy system that's safer and smarter, while keeping you powered for even longer. With IMPRES 2 chargers, you can charge IMPRES 2 batteries up to 40% faster. Customize your charging to extend the life of batteries in storage. And manage power more intelligently with enhanced diagnostics, so you get the most from each battery.

IMPRES 2 batteries have been improved inside and out, so your team can tackle whatever the day brings. With higher capacity, you'll get more talk time. With better water resistance, you'll never think twice about submersion. And with the ability to charge up to 60% more times than standard Lithium Ion batteries, you'll reduce costs.





**SAFER AND  
SMARTER,  
WHILE KEEPING  
YOU POWERED  
FOR EVEN LONGER**



**YOU FACE  
CHALLENGES  
EVERY DAY  
BATTERY LIFE  
SHOULDN'T BE  
ONE OF THEM**



## KEY FEATURES



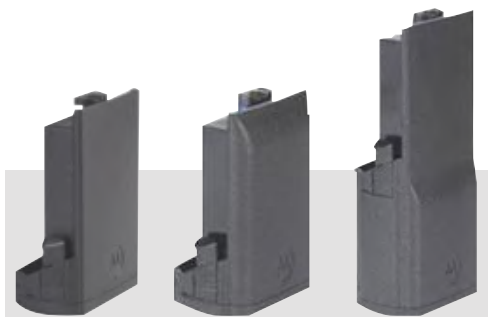
### IMPRES 2 MULTI-UNIT CHARGER

- Charge batteries up to 40% faster
- Disable calibration for greater control
- Optimize battery life in storage with customizable settings
- Enhanced, built-in charging diagnostics
- Six integrated USB charging ports
- Clip-on accessories shelf for an uncluttered workspace
- Read data quickly and easily with six integrated displays



### IMPRES 2 SINGLE-UNIT CHARGER

- Charge batteries up to 40% faster
- Disable calibration for greater control
- Two integrated USB charging ports



### IMPRES 2 BATTERIES

- Get up to 60% more charges than a standard Lithium Ion battery
- Higher capacity in the same size
- Extended talk time
- IP68 submersion (2 meters, 4 hours)
- 48-month workmanship warranty
- 24-month capacity warranty

# FEATURES AND BENEFITS

## CHARGERS

### SINGLE AND MULTI-UNIT



### FAST CHARGING

CHARGE FAST. RESPOND FASTER.

Emergencies don't wait for batteries to charge, so make sure you have fully charged batteries when you need them the most. New IMPRES 2 chargers charge IMPRES 2 batteries up to 40% faster than the originals.



### MULTI-UNIT



### CUSTOMIZABLE CHARGING

TAKE CONTROL.

No two organizations are alike when it comes to charging. That's why we help you customize the charging process to better suit your needs. Take battery storage, for example. With IMPRES 2, you can set charging percentages at 50% or 75% to optimize battery life while in storage, and at the same time keep spares ready for emergencies. But it's more than just storage. To make the most of your lifecycles, IMPRES chargers know when it's time to calibrate a battery. Now you can control the process by disabling this feature, and enabling it on your own schedule.

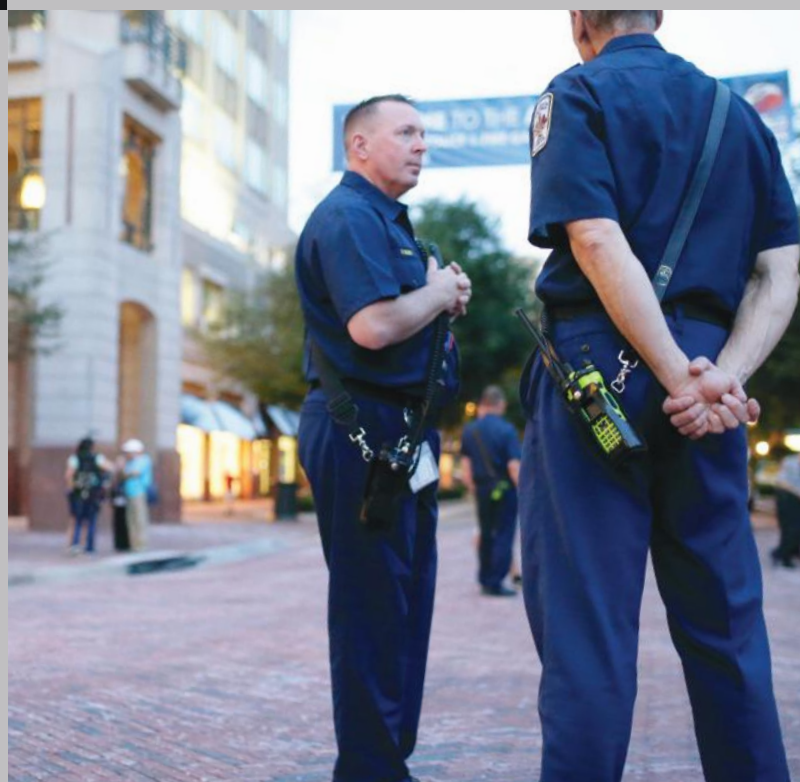
### MULTI-UNIT



### ENHANCED DIAGNOSTICS

STAY A STEP AHEAD.

Get a detailed look at performance while your batteries charge. A built-in diagnostic tool provides important usage data, such as a battery's ability to hold a charge and its time in service. Use the information to manage your fleet more efficiently, and replace low capacity batteries before it's too late.





# FEATURES AND BENEFITS

## BATTERIES



### INCREASED CAPACITY

DO MORE WITHOUT THE BULK.

First responders, public works employees, and other professionals know that shifts aren't getting any shorter. Thankfully, you can keep your people connected even longer. IMPRES 2 batteries deliver higher capacity without an increase in size.



### DURABLE DESIGN

TACKLE THE TOUGHEST CONDITIONS.

Wherever the job takes you, be confident your battery will be up to the challenge. All IMPRES 2 batteries share the same IP68 rating as APX radios, which means they can be fully submersed in two meters of water for up to four hours. Designed with a rugged housing, they're as tough as the radios they charge. And in test after test, IMPRES 2 batteries continually withstand shocks, knocks, drops and shakes, outperforming the competition every time.



### EXTENDED BATTERY LIFE

EXTENDED LIFE. BUILT TO LAST.

You face challenges every day. Battery life shouldn't be one of them.

IMPRES 2 batteries, when combined with an IMPRES 2 charger, deliver up to 60% more charging cycles than traditional Lithium Ion batteries, so they're on the job longer. Which means you can stock fewer spares, and replace fewer batteries. We've also extended our capacity warranty from 18 to 24 months\*, while backing all IMPRES batteries with a long 48 month workmanship warranty. IMPRES 2 batteries are compatible with all existing IMPRES chargers, so your upgrade will be a smooth one.

\*IMPRES 2 batteries not charged exclusively in IMPRES 2 chargers receive a 6 month capacity warranty reduction to 18 months instead of 24 months.



# SPECIFICATIONS



## CHARGERS

Part Number	Description	Radio Compatibility					
		APX 6000, SRX 2200	APX 6000XE	APX 7000	APX 7000XE	APX 8000	APX 8000XE
NNTN8860	IMPRES 2 Single Unit Charger (115 vac)	•	•	•	•	•	•
NNTN8863	IMPRES 2 Single Unit Charger (100-240 vac)	•	•	•	•	•	•
NNTN8844	IMPRES 2 Multi Unit Charger	•	•	•	•	•	•

## BATTERIES

Part Number	Description	Approximate Operating Time (hours) @ 5/5/90 duty cycle	Radio Compatibility						Hazardous Certification
			APX 6000, SRX 2200	APX 6000XE	APX 7000	APX 7000XE	APX 8000	APX 8000XE	
PMNN4486	IMPRES 2 Li-Ion 3400 mAh Battery, Rugged IP68	15.5	•	•	•	•	•		N/A
PMNN4485	IMPRES 2 Li-Ion 2550 mAh Battery, Rugged IP68	11.5	•	•	•	•	•		N/A
PMNN4487	IMPRES 2 Li-Ion 4850 mAh Battery, Rugged IP68	21	•	•	•	•	•		N/A
PMNN4494	IMPRES 2 Li-Ion 5100 mAh Battery, Rugged IP68	21.5	•	•	•	•	•		N/A
NNTN8930	IMPRES 2 Li-Ion 2650 mAh Battery, Rugged IP68	13.5	•	•	•	•			TIA 4950*
NNTN8921	IMPRES 2 Li-Ion 4500 mAh Battery, Rugged IP68	18.5	•	•	•	•			TIA 4950*
PMNN4504	IMPRES 2 Li-Ion 3400 mAh Battery, Rugged IP68	10						•	ISA 12.12.01*
PMNN4505	IMPRES 2 Li-Ion 4850 mAh Battery, Rugged IP68	14.5						•	ISA 12.12.01 *

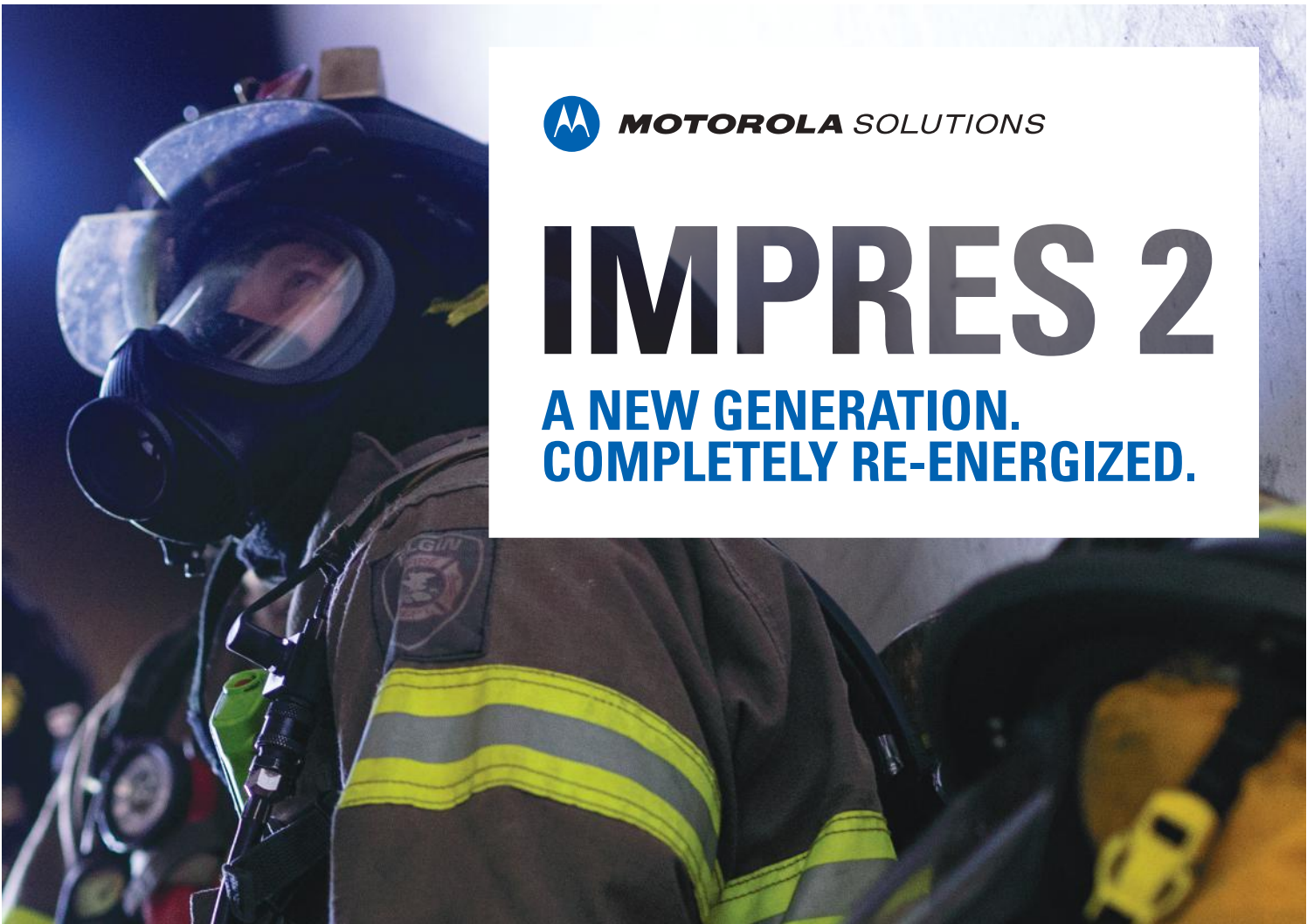
\* For detailed hazardous rating see radio manual





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SPECIFICATIONS	IMPRES 2 Single Unit Chargers	IMPRES 2 Multi-Unit Chargers
<b>Model # and Input Voltage</b>	NNTN8863: 100-240 vac, NNTN8860: 115 vac	NNTN8844 100-240 vac
<b>Dimensions (HxWxD):</b>	44mm x 102mm x 126mm	197mm x 445mm x 262mm
<b>Charging Current (max):</b>	3.0 Amps	3.0 Amps
<b>Warranty</b>	12 Months	12 Months
<b>Operating Temperature</b>	0°C to +50°C	0°C to +50°C
<b>Charging Method</b>	CCDT/Negative pulse (NiCd/NiMH) and CCCV(Li-ion) Capable of charging 8.4V Li Ion and 11V NiMH batteries.	CCDT/Negative pulse (NiCd/NiMH) and CCCV(Li-ion) Capable of charging 8.4V Li Ion and 11V NiMH batteries.
<b>Regulatory Approvals</b>	CEC, CE, UL Use only Motorola Solutions authorized power supplies with this charger.	CEC, CE, UL Use only Motorola Solutions authorized power supplies with this charger.

For more information, please visit: [www.motorolasolutions.com/IMPRES2](http://www.motorolasolutions.com/IMPRES2)

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