

THE NEW STANDARD IN SMARTSPRAYER™ FLUID DELIVERY SYSTEMS





DELIVERIES BEGINNING IN SEPTEMBER



THE ELECTRODEFENSE STRATEGIC METHOD

ElectroDefense represents the convergence of world-class engineering, design, and the future of public health and safety.

Our TRUE methodology directs our approach in the development of market-leading, medical-grade fluid dispersal and personal protection products, resulting in a professional, reliable, and consistent end-user experience.



Our technically advanced sprayers enable businesses to closely track unit activity minimizing usability and efficacy



ElectroDefense products are built to last. Crafted from high quality, robust materials, they can withstand rigorous application across all environments



Ergonomically designed military grade products to be used over extensive periods without discomfort Deployed anywhere, any industry, any jobsite



Engineering:

Our design ethos focuses on Intelligent German engineering. All components are thoughtfully designed, manufactured for a world class finish & functionality

WHAT IS AN ELECTROSTATIC SPRAYER?

What is electrostatic technology & why is it the gold standard in fluid delivery?

Electrostatics is a branch of physics that studies the phenomena and properties of stationary or slow-moving electric charges.

The electrostatic phenomena is seen when lint is attracted to clothes, or when dust clings to our TV, computer or phone screens.

These descriptions are examples of Coulomb's law which states that opposite electrical charges attract and like charges repel.

ELECTRODEFENSE™ utilizes this same principle to apply a positive charge to the fluid aerosol droplets as they are formed inside the system and immediately before the droplets are expelled from the spray nozzle. These "hyper-charged" droplets then actively seek out negative or neutral surfaces to cohere themselves to.

Due to the electrostatic charge, these aerosols envelop the surface providing an even, consistent coverage, saving man hours and increasing fluid efficiency, Therefore reducing the total solution cost and offering a great ROI.



INCREASED LABOR EFFICIENCY, REDUCE WASTE & NOW WE INTRODUCE JOB TRACKING

Pre-Electrostatic Technology

Before electrostatic technology was introduced over 50 years ago, traditional spray equipment had issues with **transfer efficiency**: the measure of how much chemical reaches the surface versus the percentage lost to the floor and surrounding environment. In industrial painting applications, this typically meant about 25% of the paint adhered to the surface while **75%** was lost to other areas.

Reduction in Application Costs

With the emergence of electrostatic spraying technology, which creates a magnetic attraction between the spray droplets and the targeted surface, transfer efficiencies skyrocketed to **80%**, even **95%** with well over **60%** savings in **fluid** usage for the same process.

Renewed Focus on Procedures and Tracking Jobs

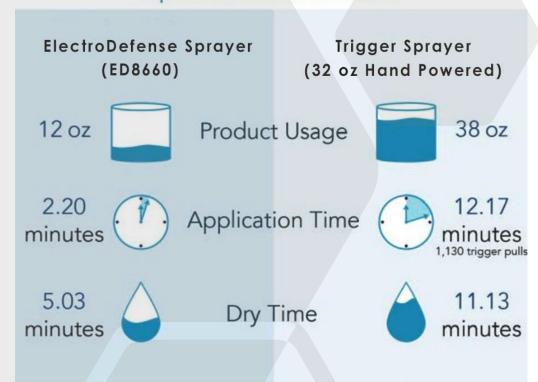
Current cleaning protocols require staff to physically touch every surface to eliminate pathogens. This is where touchless electrostatic disinfection technology becomes fundamental in empowering users with the ability to eliminate these pathogens more effectively.

The final stage in this process loop is **job tracking**. ElectroDefense is the first company to add SmartSprayer ™ Technology to all our electrostatic sprayers enabling applicators to prove to their clients the job has been executed **correctly, safely**, to **standard**, on **budget** and in **time**.

TRANSFER AND LABOR EFFICIENCY BEFORE & AFTER ELECTROSTATIC APPLICATION

APPLICATION COMPARISON:

Based on 450 sq/ft of office space across all surfaces



ElectroDefense Advantage

68% Productions Savings

81% Time Savings

THE OPPORTUNITY

An introduction:

As a direct result of coronavirus (SARS-CoV-2), environmental cleaning and disinfecting of surfaces has become more important than ever before.

Research studies show that environmental cleaning and disinfection play key roles in helping prevent the spread of infection.

A new technology in this industry is the application of EPA-approved antimicrobials to compliment traditional hospital grade disinfectants utilizing electrostatic application systems for proper surface protection to prevent cross contamination.

Electrostatics is a proven technology previously widely deployed across the agricultural and automotive industries. ELECTRODEFENSE™ finally expands this opportunity to all distributors across all sectors

This technology is now being integrated into the infection prevention and control industry as a tool to break the chain of pathogen mobility.

Current problems are wide reaching and significant

- 1. A worldwide shortage of product
- 2. Extended lead times 6 month+ waiting list
- 3. Price gauging is rampant 2-3X listed prices
- 4. Substandard product high failure rate
- 5. Short product life cycles 12 months only
- 6. Outdated technology
- 7. Safety concerns around electrocution
- 8. Misinformation on cohesive performance
- 9. Lack of adequate product training
- 10. No ability to track user or fluid performance
- 11. Non-existent inventory tracking or automated reordering available

Most electrostatic sprayers simply don't work.

Many are cumbersome and expensive,

None have our SmartSprayer™ technology.

THE ELECTRODEFENSE DIFFERENCE

What sets the ELECTRODEFENSE ED8660 Backpack and ED4660 Handheld electrostatic sprayers apart from all others on the market? Our engineering team started by asking what clients were missing and or didn't like so we could help them achieve their goals of better serving their customers. The result is a host of evolutionary functions and benefits that are revolutionizing the market.

SMARTSPRAYER TECHNOLOGY





Linking the applicator to the job and specific sprayer, our SmartSprayer™ technology provides unparalleled managerial oversight to enhance client satisfaction.

Live or stored data supplies information on:

- Job Type fluid and nozzle application
- Time to complete check in and check out
- Volume of fluid deployed automated reordering options
- Automated system analysis
- 'Correct Use' data to ensure warranty protected
- Job heat map of deployment
- Comparison of work to previous application
- In-app product training videos
- Job and 'work tip' sharing with teams

A RUGGED SPRAYER FOR ALL ENVIRONMENTS



Each job is different, but all are hard so we've designed a sprayer that can handle any task, so you get a long product lifecycle From durable materials to in-house testing, facilities.

- 6ft Teflon acid & corrosion resistant hose
- Highly robust galvanized steel & anodized aluminium contact points with incorporated black-box polymer technology
- Market leading 24 month extended warranty
- Dual filtration system

QUICK AND EASY APPLICATION



Staff levels at historical lows coupled with a back log of jobs means you need a fast and simple applicator

- 130 lumen focus light to ensure complete coverage
- Trigger lock for easy extended use
- Even weight distribution & ergonomic design
- Custom lumbar support & harness for extended application comfort

TARGET INDUSTRIES

Acceptance of the elevated standards for work-place safety offer huge opportunities across the majority of industry sectors



Healthcare Facilities



Education Facilities



Outdoor Events and Stadium



Farming and Livestock
Transportation



Refurbishment and Resoration



Food and Beverage



Mass Public Transportation



Construction and Building Maintenance



Public and Private
Airports



Manufacturing Facilities

Marketing is one of the key aspects of any successful business, yet most companies rarely overcome the myriad of challenges that they face in this arena.

A unique edge that the ElectroDefense founders have is the **25+** combined years of owning a fully-integrated media service company that holds extended partnerships with many of the largest global media buyers and sellers whilst launching and enhancing businesses across every industry from Film & Entertainment, Hospitality and Sports to Products, Service Companies and some of the top brands on the market.

Our digital team are experts in Google Search, Google Display, YouTube ads, Gmail Ads, Facebook Ads, Instagram Ads, Pinterest Ads, LinkedIn Ads, Native, In-App Programmatic, Messenger Bots, and retargeting. We have built close strategic partnerships with the largest celebrity and influencer network marketing companies in the industry.

When it comes to traditional media, we have also assembled a first in class team and have access to the best avails and pricing on Television, Radio, Outdoor and Print advertising.

This combined with proprietary live feed data, our ability to accurately target potential users across omni-channel media buys and our procurement relationships, we're poised to yield higher results at lower costs to outperform the largest paid media teams and agencies on the planet.



PAID DIGITAL MEDIA



TELEVISION



SOCIAL MEDIA



OUTDOOR



RADIO



STRATEGIC PARTNERS



CAMPAIGN SUCCESS

ED8660 PRODUCT INTRODUCTION

ElectroDefense's **ED8660™** Backpack Sprayer showcases our unique, patented, SmartSprayer™ electrostatic technology, along with first to market enhanced features.

Our ergonomically, Italian designed, backpacks provide unparalleled comfort, ensuring quick, easy to use, effective and continued fluid deployment throughout all tasks.

German engineering guarantees a highly robust, reliable, efficient unit ready to get any job done without disruption. Our sprayers not only have the features you would expect in a top quality unit but also new benefits such as our uniquely developed rapid one clickself-cleaning function that allows for fast, effortless maintenance.

We have also eliminated out-dated and wasteful emptying and manual cleaning procedures, by incorporating an unused fluid return function. Just flip the switch to empty your tank back into the original container when the task is done then rinse the residual fluid with the click of a button.

No mess. No waste. No fuss.



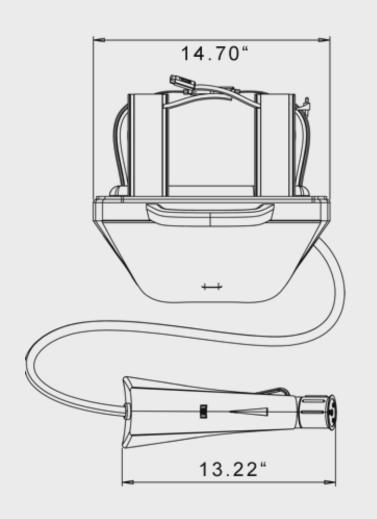
ED8660™ BACKPACK ELECTROSTATIC SMARTSPRAYER

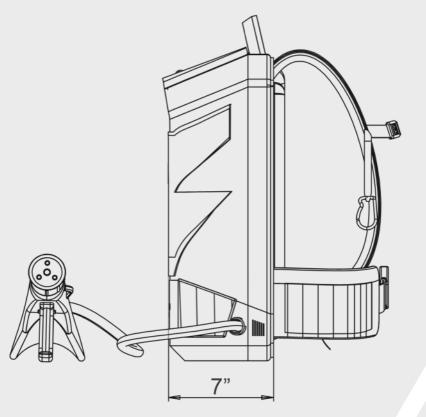
The ED8660 Backpack features electrostatic cleaning technology combined with ElectroDefense's patented, first to market SmartSprayer™ and SprayTrack ™ mobile job accountability technology, puts control into your hands for the most efficient fluid dispersal possible.

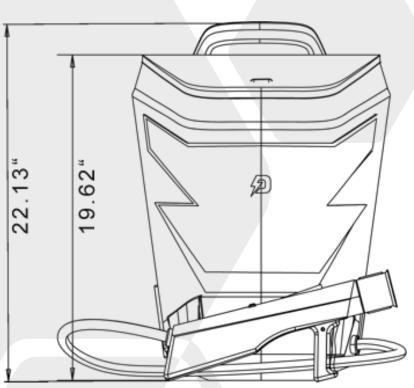
The **ED8660**'s robust, yet sleek ergonomic design offers unparalleled comfort, lending itself to more effective deployment throughout all tasks.



ED8660™ DIMENSIONS







ED8660™ FULL SPECIFICATIONS

PRODUCT DESIGN, CONSTRUCTION & MATERIAL SELECTION

In-built SmartSprayer™ technology

Self-cleaning function

Unused fluid return function

No-tool adjustable nozzle 3 in 1 spray settings

Integrated dual filtration system

Highly robust anodized and galvanized metal contact points

Quick release 4ft Teflon™ cut proof hose

Advanced high corrosion resistant, polymer tank

Multifunctional splash guard protector with tank light

Efficient performance 500 lumin gun LED COB

Fluid proof, secure phone storage

Evenly weighted unique gun design relieves wrist and arm stress

High grade memory foam lumbar support

Trigger lock mechanism for extended use

WEIGHT	TANK CAPACITY	POWER	WARRANTY
15lbs (33lbs wet)	2.25 Gal	6,000 mAh	2yr extended

NOZZLE SETTING	50 MICRONS	80 MICRONS	110 MICRONS
Flow Rate	4 oz/min	6.75 oz/min	9.5 oz/min
Run time per tank	71 minutes	42.5 minutes	30 minutes
Tanks per charge	3.4 tanks	5.6 tanks	8 tanks
Coverage per tank	25,000 sqft	20,000 sqft	14,000 sqft

EACH SYSTEM INCLUDES

1 x ED8660™ Electrostatic Backpack SmartSprayer™

1 x 2.25 fluid gallon tank

2 x 6,000mAh lithium-ion battery

1 x battery charger

1 x ED8660[™] Gun case

ED4660 ELECTROSTATIC HAND-HELD SMARTSPRAYER

The **ED4660 Hand-Held** features electrostatic cleaning technology combined with ElectroDefense's patented, first to market **SmartSprayer™** and **SprayTrack ™ mobile job accountability technology**, puts control into your hands for the most efficient fluid dispersal possible.



ED4660 ™ FULL SPECIFICATIONS

WEIGHT	CAPACITY	POWER	WARRANTY
2lbs (4.8lbs wet)	45 fluid oz	6,000 mAh	2yr extended

NOZZLE SETTING	50 MICRONS	80 MICRONS	110 MICRONS
Flow Rate	4 oz/min	6.75 oz/min	9.5 oz/min
Run time/tank	10 minutes	6 minutes	4.2 minutes
Tanks/charge	24 tanks	40 tanks	55 tanks
Coverage/tank	3,330 sq ft	2,665 sq ft	1,865 sq ft

EACH SYSTEM INCLUDES

1 x ED4660™ Electrostatic Hand-held SmartSprayer™

1 x 45 fluid oz tank

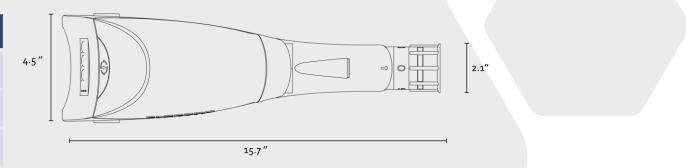
2 x 6,000mAh 10.8 - 12V lithium-ion battery

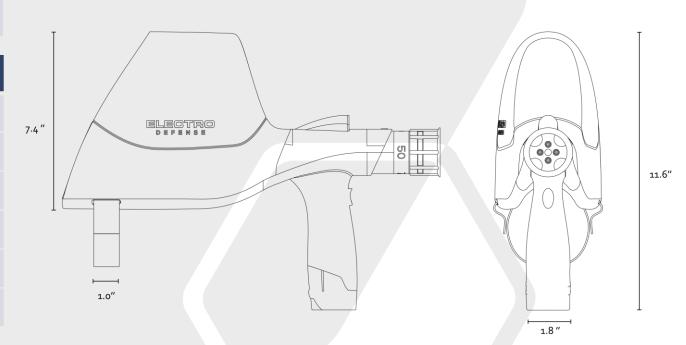
1 x Battery charger

1 x Memory foam adjustable shoulder strap

1 x ED4660™ Gun case

DIMENSIONS





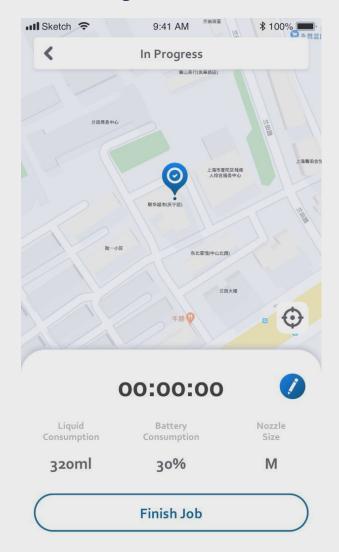
ED8660 ™ & ED4660 ™ SMARTSPRAYER™ APP

Equipment Diagnostics Data & Pre Job Screens

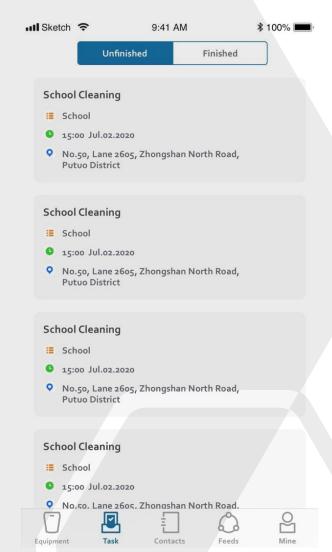


ED8660 ™ & ED4660 ™ SMARTSPRAYER™ APP

Live, In-Progress Information, Job Completion and Team Management Data Screens









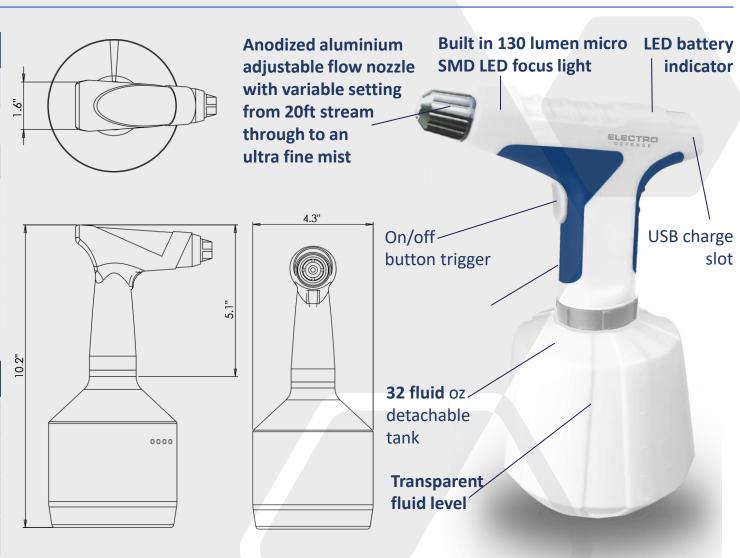
ELECTRODEFENSE ED2660™ MINI DEFENDER ELECTRIC SPRAYER

The **ED2660 Mini Defender's** robust, yet sleek ergonomic design offers comfort and ease of use, whether for your home, work-space or vehicle

WEIGHT	CAPACITY	POWER	WARRANTY
0.6lbs (2.8lbs wet)	32 oz	2,000 mAh	1 year

DETAILS	
Flow Rate	8-11 oz/min
Run time/tank	3-4 minutes
Tanks/charge	30 tanks
Coverage/tank	620 sq ft

1 x ED2660™ Mini Defender electric sprayer 1 x 32 fluid oz detachable tank 1 x 2,000mAh micro USB 3.6V lithium-ion battery 1 x micro USB battery charger



ED1660™ SIDEKICK NANO MIST ATOMIZER

The **ED1660 Nano Mist Atomizer** is the perfect constant carry companion; pocket sized yet packs a protective punch. Never forget your Nano.

Using high-tech **atomization** & high-speed **oscillation** processes to dissolve molecular hydrogen into **nanoparticles** and quickly penetrate deep into the skin

PRODUCT OVERVIEW			
Power	1.85 w		
Battery	160mAh		
Tank Capacity	1oz		
Atomized particles	1.25 - 1.45ml per 60s		
Run time	2 hours		

DIMENSIONS & WEIGHT				
Height	5"	Width	2.2"	
Depth	2.2"	Weight	50 oz	

EACH SYSTEM INCLUDES
1 x ED1660™ Sidekick Nano Mist Sprayer
1 x 1 fluid oz detachable tank
1 x 160mAh micro USB 3.6V lithium-ion battery
1 x micro USB battery charger



BACKPACK CRADLE

The **ElectroDefense Backpack Cradle** is constructed using anodized aluminum, advanced polymers and travel strong wheels to ensure you keep rolling through your jobs on time and with little effort.



COMING SOON



COMPETITOR COMPARISON

VICTORY INNOVATIONS



Market Leader

Completive Price

Tank Capacity

VP300ES backpack \$2,450 **Dimensions** 23.5"x17.5"x9.5" **Tank Capacity** 2.25 Gallons

CONS

Price

High failure rate Cheap contact points No job tracking app

E-MIST INNOVATIONS

PROS

Made in USA Lightweight Spray distance

EM360 backpack **Price** \$4,150 **Dimensions**

16.5"x12.5"x9.5"

Tank Capacity

1 Gallon

CONS

Very Expensive Cheap contact points No job tracking app

CLOROXPRO



Made in USA Long term participant Rugged system

CloroPro 60025 Price \$2,225 **Dimensions** 40"x22.5"x12.5"

Tank Capacity

2 x 1 Gallons

CONS

Heavy – no back pack Use own brand fluid No job tracking app

EVACLEAN PROTEXUS



Comfortable harness **Completive Price Tank Capacity**

PX300ES backpack Price \$2,350 **Dimensions** 23.5"x17.5"x9.5" **Tank Capacity** 2.25 Gallons

CONS

White label (no R&D) Cheap contact points No job tracking app



PROS

Rugged case design Spray distance Manufacturer brand JES-BP18 backpack Price \$5,150 **Dimensions** 18.9"x15"x9" **Tank Capacity**

CONS

0.3 Gallon

Small tank & expensive Cheap contact points No job tracking app

SYSTEMS SPRAYER STATIC

PROS



ESS BP2 backpack

Price

\$2,250

Dimensions

20"x13.5"x9.5"

Tank Capacity

1.5 Gallon

PROS

Tested system Spray distance **Brand recognition** CONS

Small tank Soft back pack material No job tracking app

DETAILED KEY COMPETITOR SPECIFICATION COMPARISON



DETAILED KEY COMPETITOR SPECIFICATION COMPARISON

PRODUCT DETAILS	ELECTRODEFENSE™ ED8660 Backpack	EMIST™ EM360 Backpack	VICTORY™ VP300ES Backpack	PROTEXUS™ PX300ES Backpack
APPLICATOR GUN DESIGN				
Optimum Spray Distance	24"-72"	24"-36"	36"-72"	36"-72"
Particle Size	50-80-110 microns	85 microns (fixed)	40-80-110 microns	40-80-110 microns
Nozzle	3 -in-1 no tool nozzle	Single fixed nozzle	Tool change required	Tool change required
Trigger-Lock for extended runtime	Yes	No information	Yes	Yes
Focus Light for better coverage	500 lumen micro SMD LED	No	Yes (No info on lumen power)	Yes (No info on lumen power)
System Display Screen	Back Lit Diagnostic LCD Color Display	No	No	No
CLEANING & FILTRATION				
Liquid Emptying Process	One Click automation (with app reminder)	Manual	Manual	Manual
Equipment Cleaning Function	One Click automation (with app reminder)	Manual	Manual	Manual
Fluid Filtration	Dual filtration system	No information	Single Filtration	Single Filtration
BATTERY		-		
Power	6000mAh	No information	3400mAh	3400mAh
Battery Run Time	4-6 hrs.	2 hrs.	4 hrs.	4 hrs.
Battery Charge Time	100 mins	No information	90 mins	90 mins
BACKPACK MATERIAL COMPOSITION	Anodized Aluminum Galvanized Steal Anti-Corrosive Tank Composites Aerospace Grade Polymers and Teflon™	Plastic Composites	Plastic Composites Glass-Filled Housing Rubber	Plastic Composites Glass-Filled Housing Rubber
BACKPACK INCLUDES	1 x Electrostatic Backpack Sprayer 1 x Hamess 1 x Holster 2 x Rechargeable Lithium-lon Batteries 1 x Battery Charger 1 x 2.25 Gallon Tank	1 x Electrostatic Backpack Sprayer 1 x Hamess 1 x Holster 1 x Rechargeable Battery 1 x Battery Charger 1 x 1 Gallon Tank	1 x Electrostatic Backpack Sprayer 1 x Lithium-lon Battery 1 x Battery Charger 1 x Nozzle Wrench 1 x 3-in-1 Nozzle (40/80/110 Microns) 1 x 2.25 Gallon Tank	1 x Electrostatic Backpack Sprayer 1 x Lithium-lon Battery 1 x Battery Charger 1 x Nozzle Wrench 1 x 3-in-1 Nozzle (40/80/110 Microns) 1 x 2.25 Gallon Tank
ACCESSORIES	Power Pack Rechargeable Battery Battery Charger 2.25 Gallon Tank with Cap Telescopic Anodized Aluminum Wand	Battery Charger 1 Gallon Tank Conversion Kits and Grounding Straps Tank and Nozzle Accessories Hamess and Holsters Custom Cases	6800mAh 2X Battery Battery Charger 2.25 Gallon Tank with Cap 3-in-1 Nozzle (40, 80, 110 Micron) Nozzle Wrench 12" and 24" Plastic Extension Wand	6800mAh 2X Battery Battery Charger 2.25 Gallon Tank with Cap 3-in-1 Nozzle Nozzle Wrench 12" and 24" Plastic Extension Wand
WARRANTY	1 year (plus optional 1 year extended)	1 year	1 year	1 year