

**Bill of Materials (BOM)**

NO	Name	QTY	Part No	NO	Name	QTY	Part No
1	Power cord	1	WS201A-01	12	Suction hose	1	WS201A-12
2	Screw	2	WS201A-02	13	Gasket	1	WS201A-13
3	Hose clamp	1	WS201A-03	14	Brass fitting	2	WS201A-14
4	Output hose	1	WS201A-04	15	Screw	2	WS201A-15
5	Spray gun	1	WS201A-05	16	O-ring	2	WS201A-16
6	Spray lance	1	WS201A-06	17	Pump	1	WS201A-17
7	Water tank	1	WS201A-07	18	Gasket	4	WS201A-18
8	Gasket	1	WS201A-08	19	Screw	4	WS201A-19
9	Spray nozzle	2	WS201A-09	20	Output hose (short)	1	WS201A-20
10	Inner filter	1	WS201A-10	21	Tank lid	1	WS201A-21
11	Snap ring	1	WS201A-11	22	Lid gasket	1	WS201A-22
				23	Straight head gun	1	WS201A-23

**Troubleshooting Guide**

Problem	Possible reason	Solution
Pump will not turn on	Bad power connections	Check battery connections
	Short in wires	Check wires
	Motor hooked to battery incorrectly	Ensure red battery clamp to the positive(+) terminal of the battery correct wiring, then remove pump head and tighten offset bearing.
	Problem with pressure switch	Replace pressure switch
No water out from nozzle, Low pressure or Pump does not run stably	Nozzle clogged	Clean nozzle
	Low water or Air in hose	Fill water tank or Purge air from system
	Worn intake hose	Replace intake hose
	Clogged inner filter	Clean inner filter
	Worn spray gun or Nozzle clogged	Replace spray gun or Clean nozzle
Low flow	Clogged suction hose	Remove residues
	Clogged inner filter	Clean inner filter
	System leaks	Tighten leaking hose clamps or fittings
Water leakage	Connections not fully engaged	Tighten hose clamps or fittings
	O-ring not in right position	Check O-ring
	Worn O-ring	Replace O-ring

# 12V DC Electric Sprayer 50L

## Owner's manual

WS201A

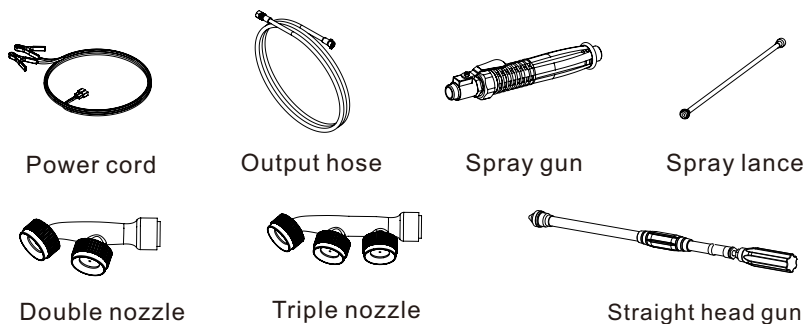


**Technical data:**

Mode:	WS201A
Capacity:	50L
Hose:	10M
Power supply:	3M wire harness with battery clips
Pump:	DP-120 ( 12V,5.5L/Min,120PSI )
Packing dimension:	62X41.5X39.5cm

**Standard accessories:**

Part name	Specification	Number	Part name
Power cord with battery clamps	3m	1	WS201A-01
Output hose	Φ6XΦ12	1	WS201A-04
Spray gun	S1	1	WS201A-05
Spray lance	Stainless steel	1	WS201A-06
Double nozzle		1	WS201A-09
Triple nozzle		1	WS201A-09



**WARNING**

Read and understand this owner's manual completely before using this sprayer. Improper use of the sprayer or handling of chemicals could result in serious injury for the user or nearby persons/animals, or cause damage to the environment.

**Operation:**

1. The sprayer is recommended for use in spraying agricultural pesticides, water and other non-flammable liquids. Improper use may cause damage to the sprayer and user.
2. Do not use flammable or corrosive chemicals in the sprayer. Contact factory or agent for suggestions about any uncertain chemicals.
3. Wear protective clothing, eye protection, and chemical resistant gloves when filling, using and cleaning the sprayer.
4. Assemble the sprayer completely with all standard accessories, check and test the sprayer before using.
5. Keep power off before using the sprayer.
6. Never reverse the polarity of battery. Red battery clamp to the positive(+) terminal of the battery, black battery clamp to the negative (-) terminal of the battery.
7. Never touch battery terminals at the same time without insulated tools.
8. Only allow adult to operate the sprayer. Keep the sprayer away from children and pets.
9. Never point the sprayer gun at people or animals.
10. Turn off power, relieve system pressure and fully clean sprayer immediately after use.
11. Do not modify sprayer design randomly.

**Exploded Drawing:**

