



PRODUCT SPECIFICATION GUIDE OF **TALOS T60X**

Aircraft

Weight	46 kg (101 lbs) [Excl. Battery] 62 kg (136 lbs) [Incl. Battery]
Max Takeoff Weight	Max takeoff weight for spraying: 112 kg (247 lbs) [standard equipped with 2 sprayers & 50-liter tank, at sea level] Max takeoff weight for spraying: 123.5 kg (272 lbs) [optional tree kit, add 2 sprinklers, at sea level] Max takeoff weight for spreading: 125 kg, 275 lbs (at sea level)
Max Diagonal Wheelbase	2270 mm, 7.4 ft.
Dimensions	2870×3295×900 mm (arms and propellers unfolded) 1650×2035×900 mm (arms unfolded and propellers folded) 1100×900×900 mm (arms and propellers folded)
Hovering Accuracy Range (With Strong GNSS Signal)	RTK enabled: Horizontal: 1 cm + 1ppm Vertical: 1.5 cm + 1ppm 1 ppm: For every additional kilometer between the aircraft and the base station, the accuracy degrades by 1 mm. For example, if the aircraft is 1 kilometer away from the base station, the accuracy is 1.1 cm. RTK disabled: Horizontal: ±60 cm, Vertical: ±30 cm
Max Configurable Flight	2000 m (0.12 miles)
Max Wind Resistance	<6 m/s

Propulsion System – Motors

Stator Size	140×28 mm
KV	83 rpm/V

Propulsion System – Propellers

Material	Nylon carbon fiber filament
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Dimension	56 inches
Quantity	4

Dual Atomizing Spraying System – Spray Tank

Material	Plastic (HDPE)
Volume	50 L (13.2 Gallon)
Operating Payload	50 KG (110 lbs)

Dual Atomizing Spraying System – Sprinklers

Quantity	2 (standard equipped)
Nozzle Distance	1765 mm (5.7ft.) [Rear Nozzles]
Droplet Size	50-500 μm
Effective Spray Width	4-11 m (at a height of 3 m above the crops)

Dual Atomizing Spraying System – Delivery Pumps

Type	Impeller pump (magnetic drive)
Quantity	2
Max Flow Rate	18 L/min (2 sprinklers) 28 L/min (4 sprinklers)

Spreading System

Compatible Material Diameter	0.5-10 mm dry granules
Spread Tank Volume	80L (21 Gallon)
Spreader Structure	Centrifugal spinner
Discharger Structure	Auger feeding

Maximum Discharge Capacity	190kg/min (compound fertilizer)
Spread Tank Internal Load	60 kg (132 lbs)
Spread Width	3-8 m (9.8-26 ft.)

Safety System

Millimeter-wave Rotating	<20 dBm (NCC/MIC/KC/CE/FCC)
Operating Temperature	0 °C - 40 °C; 32 ° F - 104 ° F
Operating Environment	Adequate light and discernible surroundings, no dirt.
Operating Frequency	Millimeter-wave Rotating Radar: 24.05-24.25 GHz (NCC/FCC/MIC/KC/CE)
Working Power Consumption	Front active millimeter-wave rotating radar: 23 W Rear active millimeter-wave rotating radar: 18 W
FOV	Front millimeter-wave rotating radar: Horizontal: 360°, Vertical: ± 45°, Above ± 45° (Cone) Rear millimeter-wave rotating radar: Vertical: 360°, Horizontal: ± 45° Trinocular Vision System: Horizontal: 90°, Vertical: 180°
Measurement Range	60 m
Effective Sensing Speed	<=13.8 m/s
Effective Obstacle Avoidance Height	>=1.5 m

Remote Controller

Screen	7 in LCD touchscreen, with a resolution of 1920×1200 pixels, and high brightness of 1400 cd/m2
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Storage Temperature Range	Less than one month: -30° to 45° C (-22° to 113° F) One to three months: -30° to 35° C (-22° to 95° F) Six months to one year: -30° to 30° C (-22° to 86° F)
Charging Temperature	5 °C to 40 °C (41°F to 104 °F)
Internal Battery Runtime	3 hours 48 minutes
External Battery Runtime	3 hours 12 minutes
Charging Type	Using a locally certificated USB-C charger at a maximum rated power of 65 W and max of 20 V.
Charging Time	2 hours for internal battery or internal and external battery (when the remote controller is powered off).Compatible with WB37 external batteries and WB37 charging hub.

Intelligent Flight Battery

Weight	Approx. 16 kg (35 lbs)
Capacity	40000 mAh
Nominal Voltage	52.22 V

Intelligent Power Supply

Dimensions	400×266×120 mm
Weight	Approx. 11.4 kg (25.1 lbs)
Input/Output	Input (Main): 220-240 VAC, 50/60 Hz, 24 A MAX Input (Auxiliary): 220-240 VAC, 50/60 Hz, 24 A MAX Output: 59.92 VDC MAX, 175 A MAX, 9000 W MAX Input (Main): 100-120 VAC, 50/60 Hz, 16 A MAX Input (Auxiliary): 100-120 VAC, 50/60 Hz, 16 A MAX Output: 59.92 VDC MAX, 60 A MAX, 3000 W MAX
Battery Charging Time	To fully charge (from 15% to 95%) one battery takes 9-12 mins
Protection Functions	Over-voltage, over-charge, under-voltage, and over-temperature protection.

Charging Safety	AC wire protection, power wire protection, and charge connector protection
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