

Especificaciones

Aeronave

Peso (con batería)	45 kg (configuración estándar: dos boquillas, depósito de 50 L y batería DB1050)
	48,4 kg (configuración estándar: dos boquillas, depósito de 50 L y batería DB1580)
Peso máximo al despegue	Con la batería DB1050 instalada:
	Peso máximo de despegue para pulverización: 95 kg (estándar con 2 boquillas de pulverización)
	Peso máximo de despegue para pulverización: 99 kg (con configuración opcional de 4 boquillas)
	Peso máximo de despegue para esparcimiento: 104 kg (con sistema de esparcimiento instalado)
	Peso máximo de despegue para elevación: 84 kg (con sistema de elevación instalado)
	Con la batería DB1580 instalada:
	Peso máximo de despegue para pulverización: 99 kg (estándar con 2 boquillas)
	Peso máximo de despegue para pulverización: 103 kg (con 4 boquillas opcionales)
	Peso máximo de despegue para esparcimiento: 108 kg (con sistema de esparcimiento instalado)
	Peso máximo de despegue para elevación: 89 kg (con sistema de elevación instalado)
Distancia máxima entre ejes (distancia diagonal entre ejes)	2415 mm (distancia entre ejes diagonales)
Dimensiones	Brazo del bastidor desplegado, hélices desplegadas: 3190 mm × 3570 mm × 934 mm;
	Brazo del bastidor desplegado, hélices plegadas: 1800 mm × 2170 mm × 934 mm;
	Brazo del bastidor plegado, hélices plegadas: 1120 mm × 896 mm × 934 mm;
Rango de precisión de vuelo estacionario (con señal GNSS fuerte)	RTK habilitado: ± 10 cm (horizontal), ± 10 cm (vertical)
	RTK deshabilitado: ± 0,6 m (horizontal), ± 0,3 m (vertical)
Radio de vuelo máximo configurable	2 km
Temperatura de funcionamiento	De 0° a 40° C (de 32° a 104° F)
Resistencia a la velocidad máxima del viento	6 m/s



Sistema de propulsión - Motores

Dimensiones del estator	155 × 16 mm
KV	55 rpm/V

Sistema de propulsión - Hélice

Material	Compuesto de fibra de carbono
Dimensiones	62 pulgadas
Cantidad	4 pares

Sistema de pulverización - Tanque de pulverización

Material	HDPE
Volumen	50 L
Carga útil operativa	50 kg

Sistema de pulverización - Aspersores

Modelo	LX09050DX (boquilla centrífuga estándar) / LX09510DX (boquilla de nebulización opcional)
Cantidad	2 (estándar) / 4 (opcional)
Distancia de la boquilla	1800 mm (dos boquillas estándar)
Tamaño de la gota	50 - 500 µm
Ancho de pulverización efectivo	4 - 11 m

Sistema de pulverización - Bombas de suministro

Tipo	Bomba de impulsor (accionamiento magnético)
Cantidad	2
Caudal máximo	40 L/min (2 boquillas estándar), 50 L/min (4 boquillas opcionales)

Sistema de esparcimiento DS80L

Volumen	80 L
Carga útil operativa	55 kg
Díámetro del material compatible	Standard configuration:

	Extra-large auger: 0.5 mm–10 mm granules (fertilizer, wheat, feed, etc.)
	Medium auger: 4 mm–6 mm granules (rice)
	Optional:
	Large auger: 4 mm–10 mm granules (rice, fertilizer)
	Small and medium-sized auger: 0.5 mm–2 mm pellets (crayfish and prawn feed)
	Small auger: 0.5 mm–4 mm granules (rapeseed, granular herbicides, granular insecticides)
Spreader structure type	Centrifugal Disc
Discharge structure type	Screw Feeder Feeding
Maximum discharge rate	400 kg/min (compound fertilizer)
Effective spreading width	3 - 10 m

DL100 lifting system

Operating Payload	40 kg
Lifting Cable Length	10 m
Recommended cable length	10–15 m
Operating Temperature	0° to 40° C (32° to 104° F)

Safety System

Radar EIRP	< 20 dBm (NCC / KC / CE / FCC) < 13 dBm (MIC)
Operating Temperature	0° to 40° C (32° to 104° F)
Operating Environment Requirements	Normal light intensity, rich Scene texture features, and no dirt.
Operating Power Consumption	Front Radar: 36 W (peaking) Downward Vision Radar: 3.5 W (peaking) Rear Radar: 3.5 W (peaking)
Field of View (FOV)	Front Radar: horizontal 360°, vertical ± 45° Top Radar: Left and Right ± 45°, Front and Back ± 45° Downward Radar: Left and Right ± 45°, Front and Back ± 45° Rear Radar: Left and Right ± 45°, Front and Back ± 45° Tri-vision system: horizontal 360°, vertical 180°

	FPV camera: 86° horizontal, 155° vertical
Measurement Range	60 m
Effective safe obstacle Bypass speed	≤ 13.8 m/s
Effective obstacle avoidance Height	≥ 1.5 m
Safety distance	2.5 m (distance from the obstacle after the aircraft brakes and stabilizes in Hover)

DJI RC Plus 2 AG

Model	TKPL 2
Screen	7-inch LCD touchscreen; Resolution: 1920 × 1200; LIGHTEN: 1,400 cd/m²
Storage Temperature	Within one month: -30° to 45° C (-22° to 140° F) One to three months: -30° to 35° C (-22° to 113° F) Three months to one year: -30° to 30° C (-22° to 86° F)
Recharging Temperature	5° to 40° C (41° to 104° F)
Internal Battery Runtime	3.8 hours
External Battery Runtime	3.2 hours
Charging Type	Use a USB-C Fast recharge charger with a Max Power output of 65 W (maximum voltage 20 V); the DJI Portal Charger is recommended.
Charging Time	2 hours for internal battery or internal and external battery (when remote controller is powered off and using standard DJI charger)

DB1050 Intelligent Flight Battery

Weight	8.3 ± 0.3 kg
Capacity	20000 mAh
Voltage	52.5 V

DB1580 Intelligent Flight Battery

Weight	11.7 ± 0.3 kg
Capacity	30000 mAh
Voltage	52 V

D8000iE Multifunctional Inverter Generator

Output Channels	1. DC recharge output 42–61.6 V/6500 W
	2. Air-cooled radiator charge 12 V/6 A/4.5 A
	3. DC output 48 V/500 W
Charging Time	8–9 minutes (DB1050 Intelligent Flight Battery, 30%–95% level)
Fuel tank capacity	20 L
Starting method	One-button start
Operating Temperature	-20° to 40° C (-4° to 104° F)
Compatible Battery	DB1050 / DB1580 / DB2160 Intelligent Flight Battery
Dimensions	452 mm × 566 mm × 600 mm
Weight	46 ± 0.5 kg
Fuel type	Unleaded gasoline with RON ≥91 (AKI ≥87) and alcohol content less than 10%
	(*Brazil: unleaded gasoline with RON ≥ 91 and alcohol content of 27%)
Reference fuel consumption	500 mL/kWh
Engine Oil Capacity	0.8 L
Engine Oil Type	SN 15W-50

C7000 Smart Charger

Charger Model	CSX711-7000
Dimensions	460 mm × 160 mm × 80 mm
Weight	8.5 kg
Input Voltage	Single-phase 220 - 240 V
	Three-phase 380 - 480 V
Output Voltage	50 - 62 V
Rated Output Current	Single-phase 40 A
	Three-phase, 140 A
Rated Power	7000 W (three-phase 380 V input)
	2000 W (single-phase 220 V input)
Charging Time	8–9 minutes (DB1050 Intelligent Flight Battery, 30%–95% charge)
Protection Functions	Over-temperature, over-voltage, under-voltage, short-circuit, fan stall, and other protection functions
Operating Temperature	-20° to 40° C (-4° to 104° F)

Output Channels	1
Compatible Battery	DB1050 / DB1580 / DB2160 Intelligent Flight Battery
Relay	
Model	RL0265
Dimensions	112 mm × 112 mm × 51 mm (no Antenna)
	120 mm × 112 mm × 101 mm (with Antenna)
Weight	630 g
Input Voltage	2.7 V to 24 V
Power consumption	10.48 W (FCC)
Total Capacity	6500 mAh
Operating Time	5 hours
Operating Frequency	2.4000-2.4835 GHz, 5.170-5.250 GHz, 5.725-5.850 GHz
Signal range	4 km (MIC/KCC/CE), 8 km (FCC) (in a None-interference, unobstructed environment, at a flight altitude of 2.5 m)
Charging Time	2.5 hours (30 W recharge)
Ingress Protection Rating	IP55
D-RTK 3 AG	
Supports satellite systems	GPS: L1/L2/L5
	BeiDou: B1I/B2I/B3I/B1C/B2A/B2B
	Galileo: E1/E5a/E5b/E6
	GLONASS: G1/G2
	QZSS: L1CA/L2C/L5
	L-BAND
Dimensions	345 mm × 244 mm × 300 mm
Weight	3.77 kg (including packaging)
Power consumption	7 W
Total Capacity	6500 mAh
Operating Time	7 hours
Operating Frequency	Broadcast mode:

	O4: 2.4 GHz/5.8 GHz
Signal range	FCC: 15 km
	CE/JP: 8 km
Charging Time	2.5 hours (30W recharge)
Ingress Protection Rating	IP67
Positioning Accuracy	PPP satellite-based service accuracy:
	Convergence Time: 20 minutes
	Horizontal: 30 cm (RMS)
	Elevation: 40 cm (RMS)
	Network RTK Calibration:
	Horizontal: 0.8 cm + 1 ppm (RMS)
	Vertical: 1.5 cm + 1 ppm (RMS)
1 ppm: For every additional 1 km between the aircraft and the base station, accuracy decreases by 1 mm. For example, if the aircraft is 1 km from the base station, the accuracy is 1.1 cm.	

Footnotes

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