

# MATRICE 600 PRO SPECS

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## AIRCRAFT

Diagonal Wheelbase	1133 mm
Dimensions	1668 mm × 1518 mm × 727 mm with propellers, frame arms and GPS mount unfolded (including landing gear) 437 mm × 402 mm × 553 mm with propellers, frame arms and GPS mount folded (excluding landing gear)
Package Dimensions	525 mm × 480 mm × 640 mm
Weight (with six TB47S batteries)	9.5 kg
Weight (with six TB48S batteries)	10 kg
Max Takeoff Weight Recommended	15.5 kg
Hovering Accuracy (P-GPS)	Vertical: ±0.5 m, Horizontal: ±1.5 m
Max Angular Velocity	Pitch: 300°/s, Yaw: 150°/s
Max Pitch Angle	25°
Max Wind Resistance	8 m/s
Max Ascent Speed	5 m/s
Max Descent Speed	3 m/s
Max Service Ceiling Above Sea Level	<ul style="list-style-type: none"><li>2170R propellers: 2500 m</li><li>2195 propellers: 4500 m</li></ul>
Max Speed	40 mph / 65 kph (no wind)
Hovering Time* (with six TB47S batteries)	No payload: 32 min, 6 kg payload: 16 min
Hovering Time* (with six TB48S batteries)	No payload: 38 min, 5.5 kg payload: 18 min
Supported DJI Gimbals	Ronin-MX; Zenmuse Z30, Zenmuse X5/X5R, Zenmuse X3, Zenmuse XT; Zenmuse Z15 Series HD Gimbal: Z15-A7, Z15-BMPCC, Z15-5D III, Z15-GH4
Flight Control System	A3 Pro
Propulsion System	<ul style="list-style-type: none"><li>Motor model: DJI 6010</li><li>Propeller model: DJI 2170R</li></ul>
Retractable Landing Gear	Standard
Operating Temperature	14° F to 104° F (-10° C to 40° C)

## CHARGER (MODEL: MC6S600)

Voltage Output	26.1 V
Rated Power	600 W
Single Battery Port Output Power	100 W

## OPTIONAL BATTERY (MODEL: TB48S)

Capacity	5700 mAh
Voltage	22.8 V
Battery Type	LiPo 6S
Energy	129.96 Wh
Net Weight	680 g
Operating Temperature	14°F to 104° F (-10°C to 40° C)
Max Charging Power	180 W

## REMOTE CONTROLLER

Operating Frequency	920.6 MHz to 928 MHz (Japan); 5.725 GHz to 5.825 GHz; 2.400 GHz to 2.483 GHz
Max Transmission Distance	FCC Compliant: 3.1 mi (5 km), CE Compliant: 2.2 mi (3.5 km) (Unobstructed, free of interference)
Transmitter Power (EIRP)	10 dBm @ 900M, 13 dBm @ 5.8G, 20 dBm @ 2.4G
Video Output Port	HDMI, SDI, USB
Operating Temperature	14°F to 104° F (-10° to 40° C)
Battery	6000 mAh LiPo 2S

## STANDARD BATTERY (MODEL: TB47S)

Capacity	4500 mAh
Voltage	22.2 V
Battery Type	LiPo 6S
Energy	99.9 Wh
Net Weight	595 g
Operating Temperature	14° F to 104° F (-10°C to 40° C)
Max Charging Power	180 W