

Portability

Safety

Intelligence

Applicable Models: DJI M400

Provides continuous power for up to 8 hours, enabling DJI M400 drones to perform stable, long-duration high-altitude cleaning operations without battery limitation.

Applications



High-Rise Building Cleaning

Ideal for cleaning glass curtain walls, windows, and façades of tall commercial or residential buildings.



Industrial Equipment Maintenance

Suitable for cleaning large industrial facilities, factory walls, and outdoor machinery surfaces.



Public Infrastructure Cleaning

Applicable for bridges, billboards, and urban facilities requiring high-altitude washing.



Solar Panel and Rooftop Cleaning

Provides efficient and safe cleaning for solar farms and large rooftop installations.

Specification

Water-Tether System Specifications

- Spray Gun
- Weight: 350 g
- Material: 6-series aviation aluminum-magnesium alloy
- Spray Type: Direct jet / Multi-purpose customized nozzle
- Water Hose
- Length: 80 m (standard)
- Pressure Resistance: 280 bar
- High-Pressure Washer (Optional Models)
- Option 1
- Brand: Karcher OEM
- Rated Power: 220V 2200W
- Pressure / Flow Rate: 110-160 bar / 500 L/h
- Weight: 21 kg
- Dimensions: 35 x 33 x 88 cm
- Cleaning Agent: Eco-friendly, EU-standard compliant
- Option 2
- Brand: Karcher OEM
- Rated Power: 220V 3500W
- Pressure / Flow Rate: 160 bar / 1000 L/h
- Weight: 52 kg
- Dimensions: 62 x 36 x 50 cm
- Cleaning Agent: Eco-friendly, EU-standard compliant

Power-Tether System Specifications

- **Tether Base Station**
 - Input Voltage: AC 220V ±10% (supports mains, generator, portable power)
 - Output Power: 3520 W
 - Reel Speed: 0-2 m/s
 - Cable Length: 80 m (standard)
 - Cable Weight: 1.8 kg / 100 m
 - Material: Aviation aluminum alloy
 - Dimensions: 45 x 32 x 34 cm
 - Weight: 22 kg
 - Protection Functions: Input undervoltage / overvoltage, output overvoltage / overcurrent / short circuit / overtemperature
 - Design: Strong and weak current separation
 - Functions: Automatic voltage compensation, Bluetooth monitoring and control, wireless remote management, power level monitoring
- **Airborne Power Supply**
 - Rated Power: 3 kW (long-endurance mode)
 - Output Voltage: Stable DC output (fluctuation $\leq \pm 1\%$)
 - Protection Functions: Input overvoltage / undervoltage, output overvoltage / overcurrent / short circuit / overtemperature
 - Waterproof Rating: ≥IP55 (overall), ≥IP65 (core components)
 - Safety: Supports continuous flight and safe landing during power interruption

Contact Us:

info@cici-tech.com

Endurance

Efficiency

Stability

C.M400X Lightweight Intelligent Cleaning Drone Solution



The C.M400 Tethered Cleaning System provides continuous power and high-altitude cleaning capability for DJI M400 drones. It enables over 8 hours of uninterrupted operation, supports up to 20 kg takeoff weight, and allows efficient building façade cleaning up to 60 m height. Featuring a lightweight design, fast deployment, and reliable power stability, it is ideal for professional industrial and building maintenance applications.

Key Features:

- Long-endurance tethered operation up to 8 hours
- Stable high-altitude cleaning up to 60 meters
- Lightweight and portable system design (≤ 18 kg)
- High power conversion efficiency ($\geq 96\%$)
- IP55/IP65 waterproof protection
- Smart monitoring and automatic voltage compensation
- Compatible with multiple power sources
- Fast and easy 10-minute deployment



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