TP-DJI M4E Tethered Lighting

Product Manual | English v3



We supply TP-DJI-M4E for tethered lighting with DJI M4E. The system pairs a portable ground station with an airborne power module and an adjustable lighting payload for night inspection and site lighting.

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Ground Power Station

The ground station converts AC input to DC power and sends it through the tether to the airborne module. Its case has a pull handle, and the reel supports automatic payout and retrieval as well as manual retrieval.

AC input	220 VAC, 50 Hz
Ground station output power	1,500 W
Ground unit output voltage	360–380 VDC
Cable length	50 m
Ground unit weight	≤19 kg
Cooling	Forced air
Protection functions	Overvoltage, overcurrent, short circuit and overtemperature

Airborne Power Module

The airborne module fits the DJI M4E battery bay and converts the tether supply to the DC voltage required by the aircraft.

Input voltage	300–410 VDC
Output voltage	15–17 VDC
Maximum airborne output power	600 W
Maximum output current	38 A
Weight	≤480 g
Cooling	Air-cooled heat sink

Lighting Payload

Lighting power	≥600 W
Operating voltage	360–380 VDC
Light source	COB
Dimensions per lamp	125 × 40 × 20 mm (length × width × height)
Cable lead length	185 mm
Color temperature	6157 K
Beam angle	120°
Mounting	Quick-release bracket
Cooling	Passive heat sink with temperature-controlled dimming

Planning a Setup

For outdoor use, a mobile power station or generator can provide the AC input required by the ground station. The system also accepts utility power at 220 VAC, 50 Hz.

Tell us about your DJI M4E and the area you need to light so we can help you select the power and lighting setup.

The lighting payload receives power from the ground station's high-voltage DC supply through the tether, with voltage drop along the cable.