

PowerEgg™ Product Specifications



1. AIRCRAFT

Weight	2,100 g (4.6 lb) (Battery and propellers included)
Diagonal Size (Excluding Propellers)	448 mm
Physical Dimension	272 mm x 176 mm (Close) / 272 mm x 476 mm (Flight)
Max Ascent Speed	5 m/s (Professional mode)
Max Descent Speed	2 m/s (Professional mode)
Hover Accuracy	Vertical: +/- 0.1 m (When Vision Positioning is active, 0.2 - 4 m); +/- 1 m Horizontal: +/- 0.2 m (Surface with clear pattern and adequate lighting); +/- 1.5 m
Max Flight Speed	13 m/s (Professional mode)
Operating Frequency	2.4 GHz
Propellers Size	10.5 inch
Power	265 W (Hover) 450 W (Max)
Max Flight Time	Approx. 23 min
Max Attitude	30 degrees
Max Service Ceiling Above Sea Level	4,000 m (13,123 ft)
Operating Temperature	0° - 40°C (32° - 104°F)
GPS Mode	GPS and BeiDou
Wind Resistance	< 5 level

2. CAMERA

Sensor	1/2.3" CMOS
Lens	FOV 95° 22 mm (35 mm format equivalent) f/2.8 G
ISO Range	100 - 3,200 (Video); 100 - 1,600 (Photo)
Shutter Speed	8 s to 1/8,000 s

Image Max Size	4,254 x 3,264 2,840 x 2,160 2,560 x 1,920
Still Photography Modes	Single shot Burst shooting: 3 / 5 / 10 frames Auto Exposure Bracketing (AEB): 3 / 5 / 7 bracketed frames Self-timer: 5 / 10 / 30 s at 0.3 EV Bias Time-lapse: 1/30, 1, 2, 5, 10, 20, 30, 60 s
Video Recording Modes	UHD: 3,840 x 2,160 30p FHD: 1,920 x 1,080 30/60/120p HD: 1,280 x 720 60/120/240p
Supported SD Card Types	Micro-SD Max capacity: 64 GB. Class 10 or UHS-1 rating required
Max Video Bitrate	60 Mbps
Supported File Formats	FAT32/exFAT JPEG, DNG MP4, MOV (MPEG-4 AVC/H.264)
Operating Temperature	-10° - 40°C (14° - 104°F)

3. GIMBAL

Controllable Pitch Range	0 - 90°
Controllable Row Range	-120° - +170°
Stabilization	3-axis (Pitch, roll, yaw)
Controllable Accuracy	0.05°

4. STANDARD REMOTE CONTROLLER

Operating Temperature	0° - 40°C (32° - 104°F)
Battery	2,800 mAh LiPo 1S
Operating Voltage	120 mA / 3.7 V
Operating Life	20 hours
Charging Time	3 hours

5. POWEREGG MAESTRO™ MOTION REMOTE CONTROLLER

Operating Temperature	0° - 40°C (32° - 104°F)
Battery	1400 mAh LiPo 1S
Operating Voltage	120 mA / 3.7 V
Operating Life	10 hours
Charging Time	2 hours

6. BASE STATION

Operating Frequency	Aircraft to Base Station: 2.400 - 2.483 GHz Base Station to other devices: 5.725 GHz - 5.875 GHz
Max Transmission Distance	5 km (3.1 mi) (Subject to regulation and local operating conditions). Distance will be shorter for CE.
Operating Temperature	0° - 40°C (32° - 104°F)

Battery	2,300 mAh LiPo 1S
Transmitter Power	20 dbm @ CE, 28 dbm @ FCC
Operating Voltage	800 mA / 3.7 V
Operating Life	1.5 hours
Charging Time	3 hours
Latency	300 ms

7. POWEREGG SMART BATTERY

Capacity	6.4 AH
Voltage	14.8 V
Battery Type	LiPo
Energy	94.8 WH
Net Weight	580 g (1.3 lb)
Operating Temperature	-10° - 40°C (14° - 104°F)
Charging Current	2 C

8. OPTICAL POSITIONING

Velocity Range	≤ 4 m/s (2 m above ground)
Altitude Range	0.2 - 4 m (0.66 – 13.12 ft)
Operating Environment	Surface with clear pattern and adequate lighting (Lux > 15)

9. CHARGER

Input	AC 100 - 240 V
Frequency	50/60 Hz
Output Port 1 :	16.8 V ± 0.1 V < 5 A
Output Port 2 :	5 V ± 0.1 V < 6 A
Operating Temperature	-10° - 45°C (14° - 113°F)
Rated Power	114 W

10. MOBILE APP

Required Operating Systems	iOS 8.0 or later Android 4.2 or later
----------------------------	--

Questions?

Please contact US@powervision.me