

DJI PHANTOM 4 PERFORMANCE

Max Ascent speed (Sport Mode) = 6 m/s (1200fpm)

Max Descent speed (Sport Mode) = 4 m/s (800fpm)

Battery life when flown enthusiastically in sport mode = 14 minutes

Maximum height gain possible

6000ft case:

Ascent time = 5 minutes

Descent time = 7.5 minutes

Total = 12.5 minutes

Battery time remaining after landing: 1.5 minutes

7000ft case:

Ascent time = 5.83 minutes

Descent time = 8.75 minutes

Total = 14.6 minutes

Battery time remaining after landing: -0.5 minutes. (This situation could not occur: the on-board flight controller would trigger the automatic Return To Home function before the minimum battery capacity required to fly back to the launch point is reached.)

Max height achievable therefore approximately 6500ft.

Nb. Service ceiling is 6000m (19,685ft). Service ceiling is the maximum altitude at which the drone can be flown, due to decreased air density. It is totally impossible to reach the service ceiling in a flight starting below 13,000ft amsl.