



Exploration /
Communication /
Observation

Hybrid-Airplane Tech. GmbH | Lichtentalerstr. 14 | 76530 Baden-Baden | 20.07.2018

TECHNICAL DATASHEET

h-aero[®] zero

Description	Value	Unit
Wingspan	3.0	m
Length	2.2	m
Volume	> 2*	m ³
Dry Weight	1.5	kg
Cruise Speed	15.0	km/hr
Wind Resistance	10.0	km/hr
Payload Capacity (PL)	400	gm
PV Cells	coming soon	
Mass of PV-Cells	coming soon	
Battery (LiPo) up to	80.0	Wh
max. Mass of LiPo	450	gm
Engines (max.)	2 x 75	W
Engines (mean)	2 x 20	W
Endurance (max.)	5	hr
Altitude (max., PL 50 gm)	2	km
Altitude (max., PL 200 gm)	1	km
Altitude (max., PL 400 gm)	sea level	
Communication Range up to	20.0	km
Area Coverage up to	5.0	km ²
Communication	Radio Modem, 3G, 4G, LTE	
Localization Technology	GPS, inertial sensors, other	

All values are given at International Standard Atmosphere (ISA)

The construction value is 2.0 m³, as the hull can stretch the real volume is higher