

Preliminary mass budget		Preliminary	Maximum allowed		
Component	Type	dimensions	Quantity	Unit weight	Total weight
Chassis	7074 Aluminium	100x100x227	1	300	300
Sidewalls	FR4 PCB	100x83x1,55	4	40	160
Nadir wall	FR4 PCB	100x100x1,55	1	30	30
Zenit wall	FR4 PCB	100x100x1,55	1	30	30
Solar cells	3J GaAs, mounted on sidewalls	80x16x0,5	52	1,2	70
Batteries	Lilon 2000 mAh	TBD	2	100	200
Battery mounts	7074 Aluminium	TBD	1	50	50
Magnetic coils	Printed on sidewall PCB's	TBD	3	0	0
437MHz transmitter	PCA	80x80x15	1	50	50
145MHz tranceiver	PCA	80x80x15	1	50	50
ADCS	PCA and sensors	80x80x15	1	80	80
OBDH system	PCA and sensors	80x80x15	1	70	70
Power management system	PCA and sensors	80x80x15	1	60	60
Camera payload	PCA	80x80x15	1	40	40
Antenna release system	PCA and mechanics	TBD	1	60	60
437 MHz antenna	Antenna and mounting	330x4x1	1	30	30
437 MHz reflector	Reflector and mounting	340x4x1	1	30	30
145 MHz antenna	Antenna and mounting	1030x6x1	1	40	40
Flight Pin	TBD	TBD	1	10	10
Connector	TBD	TBD	1	10	10
Kill switch	TBD	TBD	2	5	10
Misc. Connecting hardware	TBD	TBD	1	100	100
SUM					1480