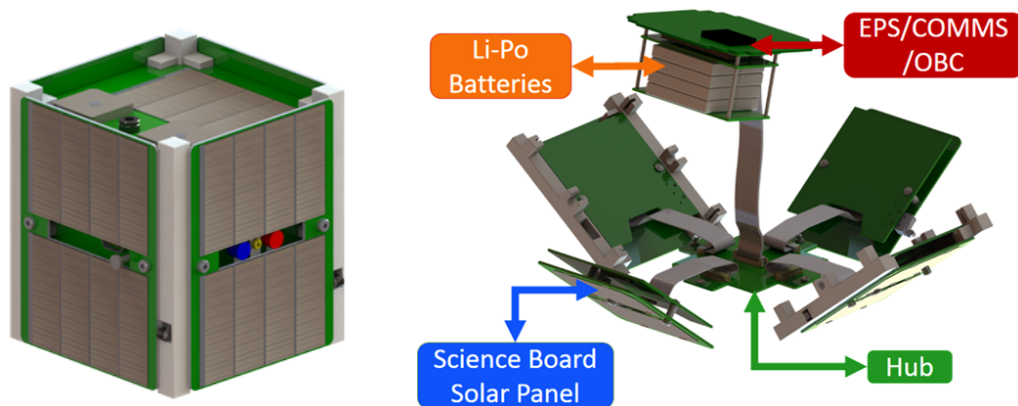


MakerSat-1 Mission Description



Physical description of the spacecraft: MakerSat-1 is a 1U CubeSat (10 cm x 10cm x 10 cm), with mass of 0.50 kg total.

The CubeSat structure is made of PEI ULTEM. It contains all standard commercial off the shelf (COTS) materials, electrical components, PCBs and solar cells.

The GlobalStar radio uses ceramic patch antennas. There are no pressure vessels, hazardous or exotic materials.

The electrical power storage system consists of common lithium-polymer batteries with over-charge/current protection circuitry. The lithium polymer batteries and circuitry are from Tenergy 3.7V 2200mAh (925050) Battery - UL Listed.