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VENUS LANDING MODULE(VLM)

Abstract

Humans are intelligent species which are developing themselves and discovering present in our solar system. Venus is one of the closest planet from Earth, where we are also trying to discover. For studying new things every day. We are trying to discover new place to fulfil our needs. In search of life we are discovering and studying all the planets it deeply we can send a rover which will land there and discover on its surface and a probe with it which will remain in its upper and lower atmosphere to discover it. The probe will be containing solar panels, powerful and rechargeable batteries like Lithium ion, a radio frequency or microwave transmitter and a pressurised compartment filled with Hydrogen. This probe will explore its atmosphere and perform some experiments. And the rover will be containing special rechargeable, high-temperature molten salt or solid electrolyte batteries, or a solid oxide regenerative fuel cell system which will be able to survive the temperature of Venus that are high enough to melt lead which will explore on its surface. The rover, probe and instruments will be covered with alloys which have high melting point such as tungsten, titanium and aluminium, etc. The probe which is going to explore its atmosphere will be having a balloon like structure maintaining pressure inside it so it will not get destroyed. Through this it will travel in its upper atmosphere above the clouds for collecting energy through its solar panels and again it will go in its lower atmosphere and discover more. Due to high speed of winds it will go with winds all around the atmosphere balancing itself with proper direction. It will perform this process again and again. Through this mission we will be able to explore Venus more perfectly.