SEPIC CONVERTER
The single-ended primary-inductor converter (SEPIC) is a type of DC/DC converter allowing the electrical potential (voltage) at its output to be greater than, less than, or equal to that at its input.

The output of the SEPIC is controlled by the duty cycle of the control switch.

sepic converter is a inverting converter, so the output voltage of the converter will be in the negative with respect to the input voltage.
Sepic Converter Topology
Output Waveform
Conclusion

- Sepic converter is used for the Battery-operated equipment's and handheld devices.

- Sepic converter is used in NiMH chargers, Led Lightning applications and DC power supplies with a wide range of input voltages.

- Thus by using the Activate tool the Sepic Converter topology is implemented.