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This paper presents a detailed review on free piston Stirling engines (FPSEs) technology. Generally, the Stirling engines can be categorized into two classes comprising kinematic and dynamic converters among which FPSEs are known as the dynamic type. Other well-known dynamic Stirling engines are Fluidyne and thermosacoustic engines among which the thermosacoustic ones are the most advanced Stirling converters recently proposed.

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