

STIRLING ENGINE TECHNOLOGY AND ITS APPLICATION ON SOLAR POWER GENERATION

Chin-Hsiang Cheng

Concentrating solar power (CSP) systems are systems that use mirrors or lenses to concentrate a large area of sunlight or solar thermal energy onto a small area. Electrical power is produced when the concentrated sunlight is converted to thermal energy to drive a heat engine (usually a Stirling engine or steam turbine), and connected to an electrical power generator.