

**DISC-TYPE SOLAR STIRLING ENGINE POWER GENERATION DEVICE
CAPABLE OF OPERATING CONTINUOUSLY DAY AND NIGHT**

ABSTRACT

A disc-type solar Stirling engine power generation device capable of operating continuously day and night comprises a solar disc-type Stirling engine power generation unit (1). A burner (2) and a burner position adjustment mechanism (3) capable of adjusting a burning opening of the burner to aim at a heat receiver of the disc-type solar Stirling engine unit or leave the heat receiver are disposed on each disc-type solar Stirling engine unit. The position adjustment mechanism is installed on a support (1a) of the disc-type solar Stirling engine. The burner (2) is installed on the position adjustment mechanism. A fuel supply system (4) of the burner is connected to the burner through a main switching valve (4c), a branch switching valve (5), a regulation valve (6), and a flexible fuel pipe (7). The Stirling power generation device is capable of stably generating power during nights and cloudy days.

Fig. 1