

GULTON INDUSTRIES, INC.  
Metuchen, New Jersey  
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FOR IMMEDIATE RELEASE

The two major elements of the power supply of Explorer VI were designed and developed by Gulton Industries, Metuchen, New Jersey.

Working under contract with Space Technology Laboratories, Inc., Los Angeles, Calif., Gulton Industries supplied three static converter power supplies which provided multiple regulated DC outputs, and, AC square wave outputs of three kilocycles frequency.

The first static converter provided a total of 5.2 watts for 10 outputs delivered on eight channels, while the second converter provided continuous power output rating of 3.4 watts, as well as 62.5 watts for a five minute period every 10 hours. The third converter delivered rated power of 311 watts. All three converters were manufactured by the Engineered Magnetics Division of the Metuchen concern.

In conjunction with these static converters the Alkaline Battery Division of Gulton Industries furnished a supply of nickel cadmium, hermetically sealed, rechargeable batteries, designed to outlast conventional batteries by as much as twenty times. The rugged construction and high peak currents of these batteries were the main reason for their inclusion in this project by STL.

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Gulton Industries was recently cited for their work in the Explorer IV satellite for which they furnished all of the condensers and the Discoverer II for which they supplied the entire power sub-system other than batteries.

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