

ENERGY STORAGE APPLICATION BRIEF

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Summary

Piller of Middleton, New York, produces premium power systems for power quality and UPS applications. An entire family of products is commercially available in a variety of system/circuit configurations for industrial use. The energy storage component of these systems uses mature, conventional flywheel technology.

Piller products are operating in the United States, Europe, Asia and The Middle East in industrial sites ranging from microchip fabrication facilities to extrusion plants to data processing centers and light rail support. The principle benefits are high reliability and protection from voltage sags. Load-leveling is also provided. This tech brief describes the various applications of the Piller system, summarizes the technology, and provides a history of several operational installations which address power quality problems. The Piller concept is shown in Figure 1 below.