

Technical Service Bulletin

Vault Series High Efficiency Mode Description

High Efficiency Mode

The High Efficiency Mode function is a new feature for the UPS adding cost effectiveness, minimizing power loss and reducing power consumption. Alternating between HE mode and on-line modes is achieved automatically and in accordance with the conditions of the utility power. On-line mode may be used during times of intermittent power supply, and HE mode when power flows smoothly in order to obtain greatest efficiency. Irregularities can be detected in less than a second, and on-line mode reactivated immediately. Switching back to online mode occurs when input voltage is outside $\pm 10\%$ or nominal ($\pm 15\%$ selectable), when input frequency is outside of $\pm 3\text{Hz}$ or when no input line is available.

Although high efficiency is standard, the default operation is in on-line mode. HE mode can be activated in the LCD panel, though on-line can be run permanently if preferred.