

# Heat Shrinking Shrink Tubing on Battery Cells with Model 5306 Infrared Strip Heaters

## Application

A manufacturer of batteries heat shrinking power cells together.

## Problem

**Slow Process** - Existing method used convective hot air to heat shrink the shrink tubing and took 65 seconds to complete.

**Labor Intensive** - Six operators were needed to heat shrink the power cells together.

## Solution

**Heat** - Three Model 5306-10 Infrared Strip Heaters were encased in a conveyORIZED oven to heat shrink the shrink tubing around the power cells.

**Instant On/Off** - The Infrared Strip Heaters heated up and cooled down instantly.

**Power Control** - A Model 666F Phase Angle SCR Power Controller controlled the power to the Infrared Strip Heaters.

## Benefits

**Increased Speed** - The Model 5306 Infrared Strip Heaters reduced the heat shrinking time to five seconds.

**Automated Process** - The decreased heat shrinking time enabled the manufacturer to automate the process and complete it with a single operator.

**Decreased Energy Consumption** - The manufacturer consumed less energy as a result of the instant on/off capabilities of the Infrared Strip Heaters.