

Application note



Subject:

Reliable and flexible automation solution for beverage production lines

Industry:

Food and Beverage

Product:

SPPE Enclosed series

Customer:

OEMs

CUSTOMER ISSUE

For Food and Beverage production lines it is crucial to guarantee a high standard of reliability and quality for the optimization of the production process, in compact spaces.

It is mandatory to create and maintain high automation standards to guarantee the perfect functioning of all automatic controls and therefore ensure high quality of production processes.

The main requirements for power supplies are therefore:

- Compact footprint
- High efficiency
- High degree of reliability during operation
- Flexible installation

OUR SOLUTION

The SPPE power supply series is extremely compact thereby facilitating installation in tight spaces. The 75 W models are only 92.5 mm high, 82 mm wide, and 30 mm deep.

The SPPE models ensure high operating efficiency up to 91.5%.

The SPPE series offers Overvoltage category III and Insulation / withstand voltage (I / O) up to 4kVAC.

The SPPE power supplies also features a universal input range with AC or DC voltage, and a wide operating temperature range (-40°C to +85°C / -40°F to 185°F) with derating starting from 50°C (122°F) for most models.

BENEFITS

- Occupies less panel space
- Wide selection of power outputs (from 25 to 350 W)
- 7 power ranges, 6 housings
- Wide selection of voltage outputs (12/24 Vdc)
- Operates with different AC/DC supply voltages
- Short Circuit, Over Current, Over Voltage, Over Temperature output protections (from 150 W)
- Green LED for status indication
- Voltage output adjustment
- Efficiency up to 91.5%
- Isolation voltage up to 4KVAC
- Overvoltage category III
- Wide operating temperature range (-40°C to +85°C / -40°F to 185°F)
- Derating starting from 50°C
- CE, UKCA, UL 62368 approved