

Application note



Subject:
**Reliable and Flexible
 Automation Solution for
 Beverage Production Lines**

Industry:
Food & Beverage

Product:
SPPM Enclosed series

Customer:
OEMs

CUSTOMER ISSUE

Food and beverage machine manufacturers must ensure high standards of reliability and quality to optimize production processes, often within compact spaces.

Maintaining advanced automation levels is essential to guarantee the proper functioning of all control systems and to ensure consistent, high-quality production output.

In this context, power supplies are required to meet the following key criteria:

- **Compact footprint**
- **High efficiency**
- **High operational reliability**
- **Flexible installation**

OUR SOLUTION

The SPPM power supply series features an extremely compact design, making it ideal for installation in space-constrained environments.

For instance, the 75 W models measure only 99.7 mm (H) x 97 mm (W) x 30 mm (D).

SPPM units deliver high operating efficiency of up to 91%, contributing to improved energy performance and reduced system losses.

The series is designed to ensure high reliability, offering Overvoltage Category II and an insulation/withstand voltage (input/output) of up to 4 kVAC.

Additionally, SPPM power supplies feature a universal input voltage range, supporting both AC and DC inputs, and operate within a wide temperature range from -30°C to +70°C (-22°F to +158°F), with derating starting from 50°C (122°F) for most models.

BENEFITS

- **Reduced panel space** requirements
- **Wide power range:** from 25 W to 800 W
- **12 available power ratings**
- **Multiple output voltage** options:
12 / 24 / 48 Vdc
- **Compatible** with various AC/DC input voltages
- **Comprehensive** protection features
- **Green LED** for status indication
- **Adjustable** output voltage
- **High efficiency** up to 91%
- **Isolation voltage** up to 4 kVAC
- **Overvoltage** category II
- **Wide operating temperature** range (-30°C to +70°C) (-22°F to 158°F)
- **Derating** from 50°C
- **Certified** according to:
CE and UL 62368 / UL 60950