

Application note



Subject:
**Efficient and certified
 production controls for the
 plastic industry**

Industry:
Plastic & Rubber

Product:
SPPE Enclosed series

Customer:
OEMs

CUSTOMER ISSUE

Plastic materials play an important role in outlining the trend of technological development. Thanks to their light weight, optimized sliding properties, high abrasion resistance, dimensional stability and chemical resistance, they are superior to other materials even for high-temperature applications.

To achieve all these high quality standards, production must be managed by highly efficient, flexible and certified automation systems.

The main requirements for power supplies are therefore:

- Compact footprint
- High efficiency
- Flexible installation
- Compliance with relevant standards

OUR SOLUTION

The SPPE power supply series is extremely compact thereby facilitating installation in tight spaces. The 150 W models are only 92.5 mm high, 97 mm wide, and 30 mm deep.

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

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.

The SPPE power supplies are also compliant with the latest industry standards UL62368.

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