

# 48VDC up to 1585W Peak Power



## DATASHEET

### BSAE800T-2448

### 48VDC 720W Power Supply with Peakload capability of 1585W

Switch Mode AC/DC-Power Supply featuring enhanced peak power  
— ideal to supply DC-Motors with high start-up current.

3 Phase (3Wire + PE) AC Input.

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## 01 DESCRIPTION

The **BSAE800T-2448** is a switch mode power supply for industrial applications, with high reliability and long life-time requirements. It is specifically designed for 48V loads with a high peak current demand, like DC-Motors during start-up and a dynamic load characteristic. A second output of 24VDC is provided to supply controls.

**Approved & certified according to EU- and UL Safety Standards**

Safety Standards	
EN60950-1, EN62368-1	Safety of information technology equipment
EN60204-1	Safety of machinery - Electrical equipment of machines
EN50178	Electronic equipment for use in power installations
UL61010-2-201	Industrial Automation, Power Circuit and Motor Mounted Apparatus, incl. CB Report, NMTR/7
RoHS II, REACH compliant	Restriction of Hazardous Substances



720W for 30 seconds

2.2 times larger

1585W for 0.5 seconds

## Features:

- Input: 342-528VAC, 3 phase (3W + PE)
- 2 outputs:
  - 48VDC 15A for 30 sec., peak 33A for 0,5 sec.
  - 24VDC / 3.0A
- High output peak current capability
- Internal breaking chopper for 48V load (adjustable)
- High Efficiency (92%)
- Height only 82mm
- High Power Factor
- Input Transient Filter
- 0°C - +50°C operation temperature
- low Inrush Current (2,5A)
- convection cooled (no fans)
- High reliability, long-life power supply (>15 years)

## 02 PRODUCT VIEWS



Dimension: 285 x 230 x 82 mm



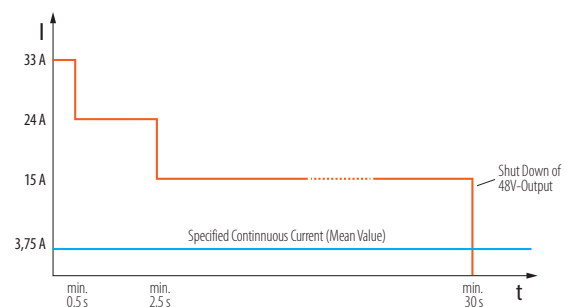
## 03 TECHNICAL INFORMATION

### Application Example: conveyor system with roller motors

During start up, motors draw a significantly higher current than the normal operation current. The current also varies with the weight the motor has to move. The output current characteristic of the **BSAE800T-2448** power supply is specifically designed to meet the dynamic load of DC-Motors, like they are used in conveyor systems.



### Output current characteristic of the BSAE800T-2448



Note: Breakdown of 1 Line Input Phases reduces all Current Values by 50 %

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Zertifiziert nach  
**DIN EN ISO 9001**  
**DIN EN ISO 14001**

For more information please contact us.