



## Alpha PS™

The AlphaPS is a high-performance power supply specifically developed for elevators and escalators where high reliability and high temperature power conversion from AC to DC is needed.

### ***High Efficiency and Wide Voltage Range***

This compact power supply features a wide range of input voltages selectable from AC or DC and single or three phase. Coupled with a greater than 90% efficiency, make this an ideal choice for many industrial applications.

### ***High Power Output***

The AlphaPS provides a high power, 500W output, enough to drive the most demanding 24 or 12 VDC devices. Low ripple, <50mV peak to peak, ensures stable operation with the minimum EMI.

### ***Ease of Operation***

The AlphaPS is designed with an easy, DIN rail mount. Just connect the input and out-put wires and you are ready for operation.

### ***Reliability***

The AlphaPS was designed using the fewest components to get the highest power in the smallest package. This robust design is ideal for heavy duty applications where reliability and availability is the highest priority. Short circuit, overload, over temperature and voltage protections are provided to ensure safe, long lasting operation.

## ≡ *Features*

### **Applications**

Elevator  
Escalator

### **Wide Input Voltage**

400–560 VAC  
120–220 VAC  
80–160 VDC

### **Wide Output Voltage**

12 or 24 VDC

### **Multiple Buses**

DC  
Single Phase AC  
Three Phase AC

### **High Output Power**

500W

### **High Efficiency**

>90%

### **Multiple Protections**

Short circuit  
Overload  
Over temperature  
Over voltage

### **Wide Temperature**

-20°C to +85°C

### **Discrete I/O**

Fault

### **Terminal Interface**

DIN rail mount