

- Input Range 18~36 VDC
- 1000 VAC Isolation
- Operating Temperature -40°C ~ +80°C
- OCP, OVP, SCP, OTP
- High Efficiency up to 85%
- EMI/EMC MIL-STD-461F Built to meet
- ESS MIL-STD-810F Built to meet
- Size: 65mm (L) x 52.5mm (W) x 16mm (H)

## Specification

### Input

Input Voltage • 18-36 VDC, Typ. 28 VDC

### Output

#### Channel 1

Output Voltage • +5.5 VDC  
 Output Current • 3 A  
 Ripple & Noise • ≤100 mV  
 Voltage Accuracy • ≤ ±2%

#### Channel 2

Output Voltage • +5.5 VDC  
 Output Current • 3 A  
 Ripple & Noise • ≤100 mV  
 Voltage Accuracy • ≤ ±2%

#### Channel 3

Output Voltage • -5.5 VDC  
 Output Current • 1 A  
 Ripple & Noise • ≤100 mV  
 Voltage Accuracy • ≤ ±2%

#### Channel 4

Output Voltage • +12.5 VDC  
 Output Current • 1 A  
 Ripple & Noise • ≤150 mV  
 Voltage Accuracy • ≤ ±1%

Line Regulation • ≤ ±1%

Load Regulation • ≤ ±1%

### Protection

Over Current Protection • Auto Recovery  
 Over Voltage Protection • Auto Recovery  
 Over Temp. Protection • Auto Recovery

### General

Efficiency • Up to 85% at full load  
 Isolation • 1000 VAC Input to Output  
 • 1000 VAC Input to Ground  
 • 1000 VDC Output to Ground  
 Insulation Resistance • ≥ 100 MΩ, 500 VDC Input to Output  
 • ≥ 100 MΩ, 500 VDC Input to Ground  
 • ≥ 100 MΩ, 500 VDC Output to Ground

### Environmental

Operating Temperature • -40 °C to +125 °C  
 Storage Temperature • -50 °C to +105 °C  
 Humidity • 5 ~ 95%  
 ESS • Built to meet MIL-STD-810F  
 (Shock & Vibration)

### EMI/EMC

Conducted Emission (CE 102) • Built to meet MIL STD-461F  
 Radiated Emission (RE102) • Built to meet MIL STD-461F

### Notes

1. MIL-STD-461F (Conducted & Radiated Emissions)
2. Safety approvals cover frequency 47-63 Hz.

## Outline Drawing

