

1009703000

APWR - AC Version

Power Supply



Description

- ✓ Made for AlphaCom 80+, AlphaCom 138, AlphaCom E20 and AlphaCom E26
- ✓ Provides +5 V, +15 V, +24 V, and +32 V
- ✓ Universal voltage input range from 100 to 240 VAC
- ✓ Each power supply serves 102 standard stations
- ✓ Can be connected in parallel for load sharing and redundancy
- ✓ Potential-free alarm output to warn of power failure
- ✓ The power supply shuts down if one voltage fails for protection against overheating
- ✓ Power factor correction for efficient energy use
- ✓ Over voltage and short circuit protected
- ✓ Plug connector for DC outputs - no screws

- ✔ International safety approvals
- ✔ LED indicator per output voltage and fault
- ✔ Built-in cooling fan

The APWR power supply has four DC outputs delivering the desired voltages for AlphaCom and AlphaCom E exchanges. The power supply is able to supply a Vingtor-Stentofon AlphaCom exchange equipped with maximum 17 ASLT subscriber cards, which is a fully equipped E20 module. In an E26 exchange, two power supplies are required to supply the complete module; a third can be installed for redundancy. The power supply is easy to install and connect due to the use of Universal AMP Mate'nLock type output connectors.

This 100 9703 000 power supply is incompatible with the older 100 9701 000 supply. Do not put power supplies of different types into the same exchange module.

Specifications

GENERAL

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| Dimensions (WxHxD) | 93 x 234 x 248 mm |
| Input voltage range | 100 - 240 VAC |
| Input rating | 550 W @ 230 VAC full load |
| Overall efficiency | 85% |
| Output voltages/currents: +5.0 V +/-2%, +15.0 V +/-2%, +24.0 V +/-2%, +32.0 V +/-2% | 15 A (min. load 0.7 A), 4 A (min. load 0.1 A) , 12 A (min. load 0.2 A), 1.5 A (min. load 1 stn. per ASLT board) |
| Heat dissipation | 85 W @ 230 VAC full load |
| Inrush current (270 V) | < 7.5 A |
| Ripple: +5 V, +15 V, +24 V, +32 V | Max. 100 mV p-p, typ. 70 mV p-p, Max. 150 mV p-p, typ. 80 mV p-p, Max. 150 mV p-p, typ. 80 mV p-p, Max. 150 mV p-p, typ. 50 mV p-p |
| Hold-up time | >20 ms (90-270 VAC, 90% of max. load) |
| Indicators | 4 green LEDs in front (voltages) 1 red LED in front (fault) |
| Approvals: Safety , EMC | EN 60950 with amendments, Complies with EN 61204-3, CE and CB approved |