

POWER SUPPLY

APWR - AC VERSION



when communication is critical

FEATURES

- 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 90 to 270 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



DESCRIPTION

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 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.

SPECIFICATIONS

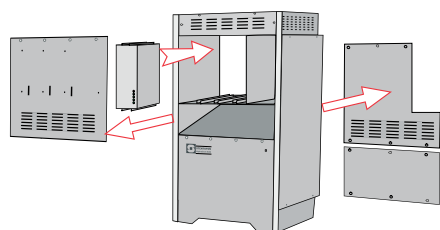
Dimensions (WxHxD)	93 x 234 x 248 mm
Input voltage range	90 - 270 VAC
Input rating	550 W @ 230 VAC full load
Overall efficiency	85%
Output voltages/currents: +5.0 V +/-2% +15.0 V +/-2% +24.0 V +/-2% +32.0 V +/-2%	15 A (min. load 0.7 A) 4 A (min. load 0.1 A) 12 A (min. load 0.2 A) 1.5 A (min. load 1 stn. per ASLT board)
Heat dissipation	85 W @ 230 VAC full load
Inrush current (270 V)	< 7.5 A

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1009703000	Power supply, APWR - AC version	5.0 kg

POWER SUPPLY, APWR - AC VERSION

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

Mounting



- Remove the upper front cover
- Remove the back covers
- Slide the power supply into the rails in the upper compartment from the front side. Leave the power unit front flush with the exchange cabinet front.

Indicators

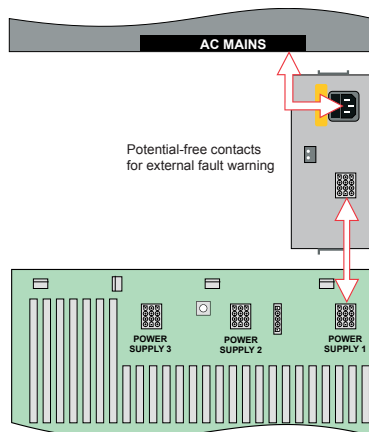


FAULT
+32 V
+24 V
+15 V
+5 V

The green indicators are lit when the voltages are correct.

The red indicator is lit only if there is a fault in the power. This indicator is not visible when the front cover is mounted.

Connection



- Plug the internal power cable to the power supply
- Route the cable through the holes in the main frame
- Connect the cable to a free power connector on the back plane
- Plug the female end of the mains cable into the power supply and the other to the mains outlet in the cabinet's upper compartment.

WARNING

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.