



**TRIO**

DATA COM

# Technical Note - TN-38

**Subject:** Regulated DC Power Supplies  
**Description:** Approval No. Q96375, AS/N2510454  
Data Series - 12V82ASW (PUP30-12N)



## Specifications

Input Voltage: 85 - 264 Volts AC  
Frequency: 47 to 400 Hz  
Input Current: 0.5A @ 230V  
Output Voltage: 13.8 Volts DC  
Current Rating: 2.7 Amps (max.)  
Maximum Output Power: 30 W  
Ripple and Noise: 1% peak to peak  
Dimensions: 147mm x 75mm x 42mm  
Weight: 500 g  
Operating Temperature: 0 – 50 DegC

## Features

- Universal input
- Over Voltage Protection
- Over Current Protection
- Linear Design for reliability
- LED Indicator
- ON/OFF switch
- IEC320 power socket
- UL, CSA and CE approvals

## Operation

1. Connect the electronic equipment to the power supply terminals, observing the correct polarity. The RED terminal is POSITIVE (+) and the BLACK terminal is NEGATIVE (-).
2. Plug the Power Supply into an AC outlet
3. The LED will light, indicating the power supply has mains.
4. Push power switch to ON position.

## Important Notice

For extended operation at or near maximum ratings, always ensure the cooling vents are not obstructed, and the power supply has adequate ventilation.

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