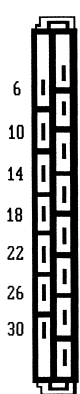


# 60W, UNIVERSAL INPUT, SINGLE-OUTPUT PLUG-IN POWER SUPPLY VRU 61 SERIES

- 3U x 8HP x 160mm Eurocard
- High quality, made in Canada
- Universal input: 90 - 264VAC
- Convection cooled - no fan
- Single output
- Fully protected
- Meets international approval requirements
- Competitively priced

## PINOUT OF H15 CONNECTORS

Pin	Function
4	+ Vout
6	+ Vout
8	- Vout
10	- Vout
12	N/C
14	N/C
16	N/C
18	N/C
20	N/C
22	N/C
24	N/C
26	N/C
28	N
30	Ph
32	GND




Partially-open version  
(compatible with cassette  
version)



Fully enclosed  
cassette version

## SPECIFICATIONS

### Input Voltage

90 - 264VAC; 47-63Hz

### Input Protection

Thermal Fuse  
Inrush current limiting  
Voltage spike protection

### Isolation

2250VDC input to chassis  
4300VDC input to output  
(8mm spacing)  
500VDC output to chassis

Compliance to IEC950, CSA C22.2  
No. 950 and UL 1950

### Output Voltages

5V/12A (4.8-5.4V adj. range)  
12V/5A (11.5-15.5V adj. range)  
24V/2.5A (23-28.5V adj. range)

### Output Overvoltage Protection

20% above nominal output  
5V: 5.6V  
12 - 15V: 16V  
24 - 28V: 29V

### Line/Load Regulation

0.5% combined from no load to full  
load for 12V & 24V outputs  
± 1.5% for 5V outputs

### Switching Frequency

50kHz, flyback

### Current Limiting

Min. 110% of nominal output.  
Short circuit protection - continuous,  
hiccup-type

### Hold-up Time

≥ 10ms @ 120VAC line

### Efficiency

Min 80% at full load for  
12V & 24V output.  
Min 70% for 5V output.

### EMI

Meets EN 55022 Class B

### Output Ripple/Noise:

Less than 1% of output voltage peak  
to peak or 0.2% of output voltage  
RMS (20MHZ BW)

### Operating Temperature

0°C to +50°C without de-rating  
De-rating: 2.5% per °C above  
+50°C up to +70 °C.  
No de-rating with forced air cooling  
(min 20cfm)  
Storage: -25°C to +85°C

### Relative humidity:

5% - 95% non-condensing

### Temperature Drift

0.02% per °C over operating  
temperature range

### MTBF

100,000 hours at 45°C

### Connections:

H15 connector  
(see pin-out drawing)

### Dimensions:

Plug-in module:  
3Ux 8HP x 160mm Eurocard

Warranty: Twelve months subject to application within good engineering practice.  
Enhancements or changes to these general specifications and customizing can be accommodated upon request.  
Designed to meet common approval requirements. Specifications subject to change.

**Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard. Absopulse is a BABT-approved Facility**

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