

Product Specification

Product: PSU Filtered Power Supplies
Updated: 24th September 2019
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PS.INV.12DC.32AC.60.ABS

Description

- A 32V AC, true sinewave, filtered power inverter supply.

Features

- DC 12V input.
- Sinusoidal output voltage
- Compact, light weight
- Full electronic protection
- Rugged, field-proven design

Electrical

- Input
 - Voltage: 12Vdc $\pm 15\%$ (10-14V)
 - Maximum current: 6A
 - Efficiency: Typically, 80% at full load
- Output
 - Sinusoidal output voltage
 - Voltage: 32V AC (50VA)
 - Current: 1.5A rms
 - Frequency: 60Hz
- Output is floating, either terminal may be grounded.
- Connections Input/output 9-pole barrier type, terminal block, 3/8" spacing

Environmental

- Operation: 0°C to +50°C Full output available.
- De-rated operation: 0.05% per °C, over operating temperature range.
- Convection cooling, no fan and conduction via baseplate.
- Humidity 5 – 95% non-condensing

Certificate of Origin

- Manufactured in Canada.

Protection

- Inrush current limiting
- Varistor
- Reverse polarity protection
- Internal safety fuse
- Lower voltage other than specified will not damage the unit.
- Minimum start-up at 12V: 10.5-16V.
- DC input is galvanically isolated from the AC outputs, greater than 100V hipot.
- Output overload protection by current limiting with short circuit protection.
- Output overvoltage protection, by internal voltage limiting.

Dimensions

- 114 x 51 x 201mm

Approvals

- CE (European) marked and compliant
- C22.2 No. 107.1-01
- UL 458
- EN 60950-1
- EN 55022 Class A
- RoHS Compliant
- IEC 61373 Cat 1 A&B Shock/Vibration

Terminal Block Pin-out

AC OUTPUT						DC INPUT		
NOT USED	L1	L2	NOT USED	NOT USED	NOT USED	GND	+	-
1	2	3	4	5	6	7	8	9



PS.TFR.UNI.28AC.60.ABS

Description

- A 28V AC, sinusoidal isolated filtered power frequency converter supply.

Features

- Universal input.
- Sinusoidal output voltage
- Full electronic protection
- Rugged, field-proven design

Electrical

- Input
 - Voltage: Universal, 95-264Vac
 - Input current: 1.9A rms at 95Vac
 - Efficiency: Typically, 80% at full load
 - Frequency: 47 to 430Hz
- Output
 - Sinusoidal output voltage
 - Voltage: 28V AC (100VA)
 - Current: 3.5A rms
 - Frequency: 60Hz
- Output is floating, either terminal may be grounded.
- Connections Input/output 9-pole barrier type, terminal block, 3/8" spacing

Environmental

- Operation: -10°C to +70°C Full output available.
- De-rated operation: 0.05% per °C, over operating temperature range.
- Convection cooling, no fan and conduction via baseplate.
- Humidity 5 – 95% non-condensing

Certificate of Origin

- Manufactured in Canada.

Protection

- Inrush current limiting
- Varistor
- Internal safety fuse
- Lower voltage other than specified will not damage the unit.
- Minimum start-up at 12V: 10.5-16V.
- DC input is galvanically isolated from the AC outputs, greater than 100V hipot.
- Output overload protection by current limiting with short circuit protection.
- Output overvoltage protection, by internal voltage limiting to 35Vac.
- Isolation
 - 2250Vdc input to chassis
 - 4300Vdc input to output
 - 2250Vdc output to chassis
 - Floating output

Dimensions

- 114 x 58 x 256mm

Approvals

- CE (European) marked and compliant
- C22.2 No. 107.1-01
- UL 458
- EN 60950
- EN 55022 Class A
- RoHS Compliant
- IEC 61373 Cat 1 A&B Shock/Vibration

Terminal Block Pin-out

OUTPUT						INPUT		
NOT USED	L1	L2	NOT USED	NOT USED	NOT USED	GND	PH	N
1	2	3	4	5	6	7	8	9

Please refer to the Tonick OEM guide for integration information.

