



Tactical Support Equipment
www.tserecon.com

AC-DC POWER SUPPLY

TSE Inc. offers an array of high power and high efficiency AC/DC power supply converters that come in the following configurations:

- 12 volt, 600 watts
- 24 volt, 600 watts
- 24 volt, 1200 watts
- 28 volt, 1600 watts

The AC-DC Power Supply converters cover a wide range of Vdc and Watt outputs and are factory configured for optimum voltage and power requirements.

Internal cooling fans allow for a smaller power supply foot print since they do not need space-consuming heat sinks.

Part Numbers:

- TSE-DC-12V-600W
- TSE-DC-24V-600W
- TSE-DC-24V-1200W
- TSE-DC-28V-1600W

For more information, contact
sales@tserecon.com



Features

- Power Factor Corrected
- Low Profile
- Universal AC Input
- Multiple Specific User Outputs
- Black Anodized Aluminum
- Splash Proof, Dust Proof
- US & International Safety Ratings
- Easy to Use
- Internal Cooling Fans
- Affordable Power Supply Option
- Limited 2-Year Warranty
- Plexiglass Terminal Cover

Tactical Support Equipment
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Phone: 1.800.889.4030
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Specifications

Input Characteristics				
	TSE-DC-12V-600W	TSE-DC-24V-600W	TSE-DC-24V-1200W	TSE-DC-28V-1600W
AC Input				
Voltage	85-264 Vac	85-264 Vac	85-264 Vac	85-264 Vac
Frequency (S)	47-500 Hz	47-500 Hz	47-500 Hz	47-500 Hz
DC Input	100-300 Vdc	100-300 Vdc	100-380 Vdc	
Line Regulation	0.4% from low to high	0.4% from low to high	0.4% from low to high	0.2% max from 10% to 100%
Inrush Current				
@ 115 Vac	7 A pk	7 A pk	8.5 A pk	17.A rms
@ 230 Vac	14 A pk	14 A pk	17 A pk	34.A rms
Harmonic Current Limits	EN61000-3-2/A14	EN61000-3-2/A14	EN61000-3-2/A14	
Transient Burst Immunity	EN61000-4-4	EN61000-4-4	EN61000-4-4	
Surge Immunity	EN61000-4-5	EN61000-4-5	EN61000-4-5	EN61000-4-5
Output Characteristics				
Setpoint Accuracy	1% Standard of Vnom 2% Special	1% Standard of Vnom 2% Special	1% Standard of Vnom 2% Special	1% Standard of Vnom 2% Special
Load Regulation	0.05% (10% to full load) 0.2 % (0 to full load)	0.05% (10% to full load) 0.2% (0 to full load)	0.05% (10% to full load) 0.2% (0 to full load)	0.2% (10% to full load) 0.5% (0 to full load)
Temp Regulation	0.005%			
Long-term Drift	0.02% khr	0.02% khr	0.02% khr	
Output Ripple & Noise				
< Vout	100 mV (20MHz bw)	100 mV (20MHz bw)	100 mV (20MHz bw)	100 mV
> Vout	1.0% Vout	1.0% Vout	1.0% Vout	
Current Limit	115% Imax	115% Imax	115% Imax	
Environmental Characteristics				
Storage Temp	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Operating Temps				
Full Rated Pwr (S)	-20 to +45°C	-20 to +45°C	-20 to +45°C	-20 to +40°C
50% Rated Pwr (S)	-20 to +65°C	-20 to +65°C	-20 to +65°C	-20 to +60°C
Full Rated Pwr (V)	0 to +45°C	0 to +45°C	0 to +45°C	0 to +40°C
50% Rated Pwr (V)	0 to +65°C	0 to +65°C	0 to +65°C	0 to +60°C
Vibration	MIL-STD-810E Cat 10	MIL-STD-810E Cat 10	MIL-STD-810E Cat 10	
Safety Approvals	CE Marked, cTUVus	CE Marked, cTUVus	CE Marked, cTUVus	CE Marked, cTUVus
Mechanical Characteristics				
Weight	3.1 lbs / 1.4 kg	3.1 lbs / 1.4 kg	5.5 lbs / 2.5 kg	9.7 lbs / 4.39 kg
Dimensions L x W x H	7.95 x 5.06 x 1.86 in	7.9 x 5.06 x 1.86 in	12.20 x 6.00 x 1.72 in	11.8 x 6.0 x3.4 in
Dimensions L x W x H	201.9 x 128.5 x 47.3 mm	201.9 x 128.5 x 47.3 mm	309.9 x 152.4 x 43.6 mm	299.72 x 152.4 x 86.36 mm

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