

Indoor Power Supply

Advantages

Cost effective, indoor rack-mount power supplies.

Efficient units providing DC power for IBUC's to 125 W C, 125 W X and 80 W Ku-band.

Optimized for SNG-vehicle and mobile applications.

Power factor corrected power supply with universal 90-264 VAC input.



Terrasat's Indoor IBUC Power Supplies, models PSUI-1148 and PSUI-1248, run on AC mains power and provide DC power to the IBUC through a multi-conductor 16 AWG cable. The units are packaged in rack-mountable chassis with internal cooling fans.

The Indoor Power Supplies provide 48 VDC power for Terrasat IBUC's through 125 W C-band, 125 W X-band, and 80 W Ku-band.

These efficient and cost effective power supplies are ideal for SNG vehicles, mobile terminals and other applications where a short cable run and mounting inside the vehicle, shelter or transit case is the preferred configuration.

Installed in a standard 19-inch rack, the Indoor Power Supplies occupy only one rack unit (1.75") of rack space and are powered from AC mains.

Simple, plug-and-play installation requires no on-site configuration.

The DC output connector is a circular MS-type compatible. An optional DC cable can be provided in customer-defined lengths with connectors installed for interconnection to Terrasat IBUC's.

Indoor Power Supply

Electrical	PSUI-1148	PSUI-1248
Nominal output voltage (DC)	48 V	48 V
Load regulation	6%	6%
Output rated current	12.6 Amp	21 Amp
Output ripple and noise (p-p)	1% peak-to-peak	1% peak-to-peak
Output power, nominal	600 W	1000 W
Efficiency	88% min. at 600 W, 230 VAC	88% min. at 1000 W, 230 VAC
Input voltage range	100-240 VAC	100-240 VAC
Input frequency	47-63 Hz	47-63 Hz
AC current	7.6A rms @ 100 VAC and 600 W load	12.6A rms @ 100 VAC and 1000 W load
Power Factor, per EN6100-3-2	0.97 W/VA	0.97 W/VA
Inrush current	34 A peak @ $V_{in} = 230$ VAC, 25°C	34 A peak @ $V_{in} = 230$ VAC, 25°C
Input leakage current, per EN 60950-1	< 3.5 mA @ 240V AC	< 3.5 mA @ 240 VAC
Output connector	ACS 02E14S-6S (553)	ACS 02E14S-6S (553)
Environmental		
Operating temperature	0 to 50°C	0 to 50°C
Humidity	95% RH (non-condensing)	95% RH (non-condensing)
Mechanical		
Weight	8 lbs. (3.7 kg)	8 lbs. (3.7 kg)
Dimensions	19(w) x 8.5(d) x 1.75(h) inches 483 x 216 x 45 mm	19(w) x 8.5(d) x 1.75(h) inches 483 x 216 x 45 mm
Applications		
	C-band through 50 W	C-band 60 W through 125 W
	X-band through 50 W	X-band 60 W through 125 W
	Ku-band through 40 W	Ku-band 50 W through 80 W

Specifications are subject to change without notice

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