

Features

Weatherproof Outdoor Enclosure.

Eliminates expense of long DC Cable runs.

Mounting kits for single and 1+1 systems available.

Choice of 250W, 600W, 1,100 and 1,200W power supplies to support all Terrasat IBUCs.

Separate modules for Power Supply and IBUC simplify field maintenance.



PSUI-248

PSUI-848/948

Terrasat's Outdoor BUC Power Supplies run on AC mains power and provide 48 VDC power to the IBUC through a multi-conductor 16 AWG cable. The unit is packaged in an environmentally protected outdoor enclosure. The form factor is compatible with Terrasat's universal mounting bracket.

Terrasat provides the detachable AC input connector, an Amphenol C01620 D003 110 12. The DC output connector type is a circular MS-type compatible. Terrasat provides a connectorized 5-foot (1.5m) DC cable to go between the PSUI and the IBUC. A 10-foot (3m) alternate is an available option.

Ordering information:

PSUI-248: for IBUC through 25W C-band, 16W Ku-band, and 20W X-band.

PSUI-848: for IBUC through 80W C-band, 50W Ku-band, and 80W X-band.

PSUI-948: for IBUC 100W through 200W C-band, 60W through 80W Ku-band.

PSUI-848 and PSUI-948 are equipped with a fan.

Order cable PN 550-20715-0010 for 10 foot lengths. (5 foot cable price included in PSUI package).

Outdoor Power Supply Specifications

Electrical	PSUI-248	PSUI-848	PSUI-948	PSUI-948-1200
DC output voltage	48V	48V	49V	49V
Output volt. tolerance	± 3%	± 3%	± 4%	± 4%
Output rated current, nom.	5.2 Amp (250W)	12.5 Amp (600W)	23 Amp (1100W)	25 Amp (1200W)
Output ripple & noise	±0.6 V	±0.6 V	±2.0 V	±2.0 V
DC output power, nom.	250W	600W	1,100W	1,200W
Efficiency	89% at 250W, 240VAC 86% at 250W, 120VAC	87% at 600W, 240VAC 82% at 600W, 120VAC	89% at 1100W, 240VAC 86% at 1100W, 120VAC	89% at 1200W, 240VAC
Input voltage range	100-240 VAC	100-240 VAC	100-240 VAC	200-240 VAC
Input Frequency	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz
AC current	2.5A rms @ 120VAC and 250W load	6A rms @ 120VAC and 600W load	10.8A rms @ 120VAC and 1100W load	6.0A rms @ 240VAC and 1200W load
Power factor	>0.95 @ 120VAC, 250W >0.90 @ 240VAC, 250W	>0.90 @ 120VAC, 600W >0.95 @ 240VAC, 600W	>0.95 @ 120VAC, 1100W >0.95 @ 240VAC, 1100W	>.95 @ 240VAC, 1200W
Inrush current	5A	10A	20A	30A
Input leakage current	<3.5mA@240V, 63Hz	<2.5mA@240V, 63Hz	<2.5mA@240V, 63Hz	<2.5mA@240V, 63Hz
Output connector	Amphenol ACS 02E14S-6S (553)			
AC Input Connector	Amphenol C01620 C003 100 12			
Environmental				
Operating temperature	-40 to +60°C	-40 to +60°C	-40 to +55°C	-40 to +55°C
Humidity	100%	100%	100%	100%
Mechanical				
Weight	10 lbs. (4.5kg)	9 lbs. (4.1kg)	10 lbs. (4.5kg)	10 lbs. (4.5kg)
Dimensions	12.2 x 7.2 x 6.0 in. 310 x 183 x 152 mm	12.2 x 7.2 x 6.0 in. 310 x 183 x 152 mm	12.2 x 7.2 x 6.0 in. 310 x 183 x 152 mm	12.2 x 7.2 x 6.0 in. 310 x 183 x 152 mm
Applications	C-band through 25W Ku-Band through 16W X-band through 20W	C-band through 80W Ku-Band through 50W X-band through 80W	C-band 100W through 200W, Ku-band 60W through 80W	C-band 100W through 200W, Ku-band 60W through 80W



235 Vineyard Court
Morgan Hill, CA 95037
Tel. +1 408.782.5911
Fax: +1 408.782.5912
www.terrasatinc.com

Specifications are subject to change without notice

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