

### Features

Weatherproof Outdoor Enclosure.

Eliminates long runs of DC Cable.

Complete kit including DC cable to support Terrasat IBUCs.

Mounting kits for single and 1+1 systems available.

Choice of 400W and 700W power supplies to support all Terrasat IBUCs.

LED status indicator.

Separate modules for Power Supply and IBUC simplify field maintenance.



Terrasat's Outdoor BUC Power Supplies run on AC mains power and provide 24 or 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 T3109-001. The output connector type is a circular MS type. Terrasat provides a connectorized 10-foot (3m) DC cable to go between the PSUI and the IBUC. A 5-foot (1.5m) alternate is an available option.

### Ordering information:

PSUI-524: for 24VDC IBUC to 10W C-band and 8W Ku-band.

PSUI-548: for 48VDC IBUC to 40W C-band and 25W Ku-band.

PSUI-648: for 48VDC IBUC power levels 60/80W C-band and 30/40W Ku-band.

For higher power IBUCs Part Number PSUI-648 is equipped with a fan.

Order cable PN 550-10715-0010 for 10 foot lengths. (Cable price included in PSUI package).

# Outdoor Power Supply Specifications

---

<b>Electrical</b>		
DC output voltage	48V or -48V	24.4V
	48VDC available for all IBUC models	24VDC available for C-band through 10W and Ku-band through 8W
Output voltage tolerance	± 3%	± 3%
Output rated current	14.6 Amp (700W)	16.6 Amp (400W)
Output ripple & noise (p-p)	1.2V pk-pk maximum	600mV pk-pk maximum
DC output power	400W (no fan), 700W (w/fan)	400W (no fan)
Note: Use 400W (no fan) for C-band through 40W and Ku-band through 25W. 700W (w/fan) for higher power IBUCs.		
Efficiency	90% at 700W, 240VAC	88% at 400W, 240VAC
Input voltage range	100-240 VAC	
Input Frequency	47-63 Hz	
AC current	8A rms @ 90VAC and 600W load	6A rms @ 100VAC and 400W load
Power factor	>.95, typical .99 @240VAC	
Inrush current	30A peak max	18A peak max
Input leakage current	<1.5mA@240V, 63Hz	
Output connector	MS3102R 14S-6S	
<b>Environmental</b>		
Operating temperature	-40 to +60°C	
Humidity	100%	
<b>Mechanical</b>		
Weight	13 lbs. (6Kg) w/o fan, 17 lbs. (8Kg) with fan	
Dimensions	14.2”(L)x7.2”(W)x3.1”(H) w/o fan, 14.2”(L)x7.2”(W)x7.4”(H) w/ fan	



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

PSUI Data Sheet 3/3/06