

## 600Watt OUTDOOR BUC POWER SUPPLY

**Application:** Provides 48 VDC power for Terrasat Communications Block Upconverters. Typically used for high power BUC applications.

**Description:** Terrasat's 600W Outdoor BUC Power Supply provides power to the BUC through a multi-conductor 18 AWG cable. The unit is packaged in an environmentally protected outdoor enclosure. The form factor is compatible with Terrasat's universal mounting cradle.

### Specifications

#### Electrical

DC output voltage	48V
Output voltage tolerance	+/-1.0V
Output rated current	12.5 Amp
Ripple & noise (p-p)	300 mV pk-pk maximum
DC output power	600W
Efficiency	91% at 600W, 240VAC
Input voltage range	100-260 VAC
AC current	6A@110V, 5A@120V, 2.5A@240V
Power factor	>.95, typical .99
Inrush current	<20A/115V, <40A/240V
Leakage current	<1.5mA/240V
Output connector	Amphenol female, T3107 000

#### Environmental

Operating temperature, humidity	-40 to +60 to 100%
---------------------------------	--------------------

#### Mechanical

Weight	12.5 lbs. (5.7Kg) w/o fan, 15.5 lbs. (7Kg) with fan
Dimensions	12.2"(L)x6.6"(W)x7.2"(H) with fan, 2.8"(H) without 31.0cm(L)x16.8 cm(W)x18.3 cm

Terrasat provides the detachable AC input connector, an Amphenol T3109-001. The output connector is an Amphenol female receptacle, T3107 000. Terrasat provides a connectorized 10-foot (3 meter) cable to go between the PSU and the BUC.

#### Ordering information:

For C-band BUCs to 20W and Ku-band BUCs to 8W, Part Number PSU-348 (no fan)

For BUCs to 60W Part Number PSU-448 (with fan)