

## 6500 & 7500 series **BUC Power Supplies**

### ➤ FEATURES AT A GLANCE

- Complementary range of Power Supply Units (PSUs) suitable for all Codan BUCs
- Simple and easy to install
- Mounting kits and cables included
- Rugged and reliable
- Complies with EMI/EMC Directives

Codan offers a range of PSUs for its C-Band 6700/7700 series and Ku-Band 6900/7900 series BUCs and accessories. These PSUs provide power and mounting options to suit most system requirements.



7580 SMPS and 7940 Ku-Band RBUC boom-mounted

### **DuraComm™ 550 W Rack-mount Power Supply**

The DuraComm™ is a 350 W/600 W heavy-duty indoor switch mode power supply (SMPS). It is rack-mounted and suitable for IF-powered BUCs up to 300 W and externally powered BUCs up to 600 W. The Bias-T blocks incoming DC and multiplexes 48 V DC with IF, Reference and FSK M&C signals.



Bias-T connection

### **6580B 250 W Toroidal Power Supply**

The 6580 is a 250 W heavy-duty transformer based PSU. It is designed for outdoor pole mounting and is suitable for BUCs up to 16 W Ku-Band and 40 W C-Band. The Bias-T blocks incoming DC and multiplexes 48 V DC with IF, Reference and FSK M&C signals. Additionally, it has Main and Auxiliary terminal connectors for externally-powered BUCs and accessories.



### **6582 600 W Toroidal Power Supply**

The 6582 is a 600 W heavy-duty transformer based PSU. It is designed for outdoor pole mounting and is suitable for BUCs up to 40 W Ku-Band and 100 W C-Band. The PSU is fully sealed to IP65 standard, and has MS-type connectors.



### **7580 700 W Switch Mode Power Supply**

The 7580 is a 700 W heavy-duty SMPS suitable for BUCs up to 40 W Ku-Band and 100 W C-Band. The SMPS is fully sealed to IP65 standard, and is fan cooled. Designed for boom mounting on the antenna, the 7580 uses the same mounting brackets as the BUCs and weighs only 2.8 kg. It has Main and Auxiliary MS-type DC output connectors for externally-powered BUCs and accessories.



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## Specifications

	DuraComm™ Rack-mount Power Supply	6580B Power Supply
DC output connector	On IF output N-type connector (positive on centre pin) and screw terminal block	
Output voltage	48 V DC nominal	
Output power	600 W maximum	250 W maximum
* Bias-T rated to 6 A maximum current draw		
Power consumption	700 W maximum	350 W maximum
AC mains input voltage	115/230 V AC ±15% field switchable	
AC mains input frequency	47 to 63 Hz	
AC mains input connector	Screw terminal block	
Protection	Overcurrent/overvoltage power reset	User accessible fuse
IF input voltage blocking	60 V DC minimum	
IF path DC current	6 A maximum	5 A maximum
IF path through loss over 950 to 1750 MHz	1 dB maximum	
IF path through loss at 10 MHz 1 dB maximum	1 dB maximum	
IF path through loss over 590 to 710 kHz	1 dB maximum	
IF path gain flatness over 950 to 1750 MHz	±0.5 dB maximum over 950 to 1750 MHz	
IF path gain flatness per 40 MHz	±0.2 dB maximum per 40 MHz	
IF path impedance	50 Ω	
IF path VSWR	1.5:1 maximum	
IF path connectors	N-type Female	
Weight	3 kg	11 kg
Size	483 mm W x 178 mm D x 88 mm H (2RU)	200 mm W x 160 mm D x 370 mm H
Mounting	19" rack-mount 2RU	Pole mounting kit supplied
Operating temperature	–20°C to +55°C	–40°C to +55°C
Relative humidity	100% non-condensing	100%
Weatherproofing	Indoor use only	IP65
	6582 Power Supply	7580 Power Supply
DC output connector	MS 2-pin Female MAIN	MS 2-pin Female MAIN and AUX outlets
Output voltage	48 V DC nominal	
Output power	600 W maximum	700 W maximum
Power consumption	700 W maximum	850 W maximum
Protection	User accessible fuse	
AC mains input voltage	115/230 V AC ±15% field switchable	95 to 265 V AC auto-ranging
AC mains input frequency	47 to 63 Hz	
AC mains input connector	MS 4-pin Male	
Weight	14 kg	2.8 kg
Size	241 mm W x 160 mm D x 462 mm H	182 mm W x 280 mm D x 136 mm H
Mounting	Pole mounting (kit supplied)	Boom mounting (kit supplied)
Operating temperature	–40°C to +55°C	
Relative humidity	100%	
Weatherproofing	IP65	

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Values noted are typical. Equipment descriptions and specifications are subject to change without notice or obligation.



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