

BUC Power Supplies

FEATURES AT A GLANCE

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

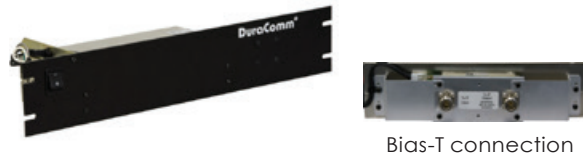
CPI offers a range of PSUs for its C-Band 4700/6700/7700 series and Ku-Band 4900/6900/7900 series BUCs and accessories. These PSUs provide power and mounting options to suit most system requirements.



7580 SMPS and 7940 Ku-Band RBUC boom-mounted

DuraComm™ RMSL-1248C 600 W IDU BUC Power Supply

The DuraComm™ RMSL-1248C is a 300 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 ODU BUC Power Supply

The 6580 is a 250 W heavy-duty transformer based PSU. It is designed for outdoor pole mounting and is suitable for DC-powered LBUCs up to 25 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.



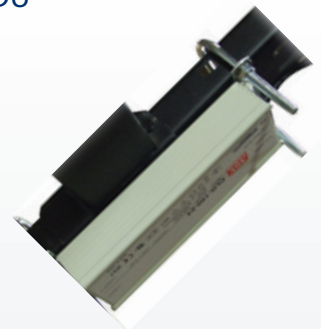
7580 700 W ODU BUC Power Supply

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.



DuraComm™ CD-CLG-150-48 150 W ODU BUC Power Supply

The DuraComm™ CD-CLG-150-48 ODU SMPS is a low power 48 V DC, 3.2 A, 150 W SMPS suitable for all BUCs to 16 W Ku-Band and 20 W C-Band. It has universal full range AC input and short-circuit/overload/over-voltage protection, and IP67 rating. Weighing only 1.5 kg, it can be mounted on a 3" boom with the brackets provided. The SMPS has a 1 m DC lead with a mini 2 pin MS connector and a 5 m AC lead with free end.



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Specifications

	DuraComm™ RMSL-1248C IDU BUC Power Supply	6580B Toroidal ODU BUC 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	300/600 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	182 mm W x 280 mm D x 136 mm H
Mounting	19" rack-mount 2RU	Boom 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
	7580 ODU BUC Power Supply	DuraComm™ CD-CLG-150-48 ODU BUC Power Supply
DC output connector	MS 2-pin Female MAIN and AUX outlets	MS 2-pin Female DC connector
Output voltage	48 V DC nominal	48 V DC nominal
Output power	700 W maximum	150 W maximum
Power consumption	850 W maximum	190 W maximum
AC mains input voltage	95 to 265 V AC auto-ranging	100 to 265 V AC auto-ranging
AC mains input frequency	47 to 63 Hz	47 to 63 Hz
AC mains input connector	MS 4-pin Male	No connector — free end
Protection	User accessible fuse	Overcurrent/overvoltage/overtemp power reset
Weight	2.8 kg	1.5 kg
Size	182 mm W x 280 mm D x 136 mm H	222 mm W x 68 mm D x 39 mm H
Mounting	Boom mounting (kit supplied)	Boom mounting (kit supplied)
Operating temperature	-40°C to +55°C	-30°C to +70°C
Relative humidity	100%	95%
Weatherproofing	IP65	IP67

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



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