XT 60 W

XT 60 W Programmable DC Power Supply

60 Watt Linear Benchtop and System Supply

XT provides 60 watts of programmable linear DC power in a quarter-rack package for both benchtop and system applications. The supplies are ideal for OEM applications where a wide adjustment of output voltage or current is required for up to 60 watts in a compact package.

The XT Series is available in singles, duals, triples and quads in a single package for benchtop use. For systems applications, multiple units can be rack mounted in one to four unit configurations for up to four independent 60-watt outputs.

Product Features

- Low noise and ripple
- Excellent line/load regulation
- Fast transient response
- Constant voltage or constant current mode
- Front and rear outputs
- Remote sense
- LabVIEW® and LabWindows® drivers

Protection Features

- Over voltage protection
- Over temperature protection

Options

- Analog Programming Interface Card
- RS-232 interface card
- GPIB interface card
- GPIB-multichannel

Xantrex Technology Inc.
Headquarters
8999 Nelson Way
Burnaby, British Columbia
Canada V5A 4B5
800 670 0707 Toll Free
604 420 1591 Fax

5916 195th Street NE
Arlington, Washington
USA 98223
800 446 6180 Toll Free
360 925 5144 Fax

www.xantrex.com

XT 60 W

XT 60 W Programmable DC Power Supply

Electrical Specifications [1]

Models	7-6	15-4	20-3	30.2	60-1	120-.05	250-0.25
Output ratings							
Output Voltage	0-7 V	0-15 V	0-20 V	0-30 V	0-60 V	0-120 V	0-250 V
Output Current	0-6 A	0-4 A	0-3 A	0-2 A	0-1 A	0-0.5 A	0-0.25 A
Output Power	42 W	60 W	60 W	60 W	60 W	60 W	60 W
Line regulation [2]							
Voltage (0.01% of Vmax + 2 mV)	2.7 mV	3.5 mV	4 mV	5 mV	8 mV	14 mV	27 mV
Current (0.01% of Imax + 250 µA)	0.85 mA	0.65 mA	0.55 mA	0.45 mA	0.35 mA	0.3 mA	0.275 mA
Load regulation [3]							
Voltage (0.01% of Vmax + 1 count)	2.7 mV	3.5 mV	4 mV	5 mV	8 mV	14 mV	27 mV
Current (0.01% of Imax + 1 count)	0.85 mA	0.65 mA	0.55 mA	0.45 mA	0.35 mA	0.3 mA	0.275 mA
Output noise and ripple (20 Hz - 20 MHz)							
Voltage	<1 mVrms	<1 mVrms	<1 mVrms	<1 mVrms	<1 mVrms	<1 mVrms	<5 mVrms
Current	<2 mArms	<2 mArms	<2 mArms	<2 mArms	<2 mArms	<2 mArms	<1 mArms
Meter accuracy							
Voltage (1% of Vmax + 1 count)	0.08 V	0.25 V	0.3 V	0.4 V	0.7 V	2.2 V	3.5 V
Current (1% of Imax + 1 count)	0.07 A	0.05 A	0.04 A	0.03 A	0.02 A	0.006 A	0.003 A
Drift (8 hours) [4]							
Voltage (0.02% of Vmax)	1.4 mV	3 mV	4 mV	6 mV	12 mV	24 mV	50 mV
Current (0.03% of Imax)	1.8 mA	1.2 mA	0.9 mA	0.6 mA	0.3 mA	0.15 mA	0.075 mA
Temperature coefficient [5]							
Voltage (0.015% of Vmax/°C)	1.05 mV	2.25 mV	3 mV	4.5 mV	9 mV	18 mV	37.5 mV
Current (0.02% of Imax/°C)	1.2 mA	0.8 mA	0.6 mA	0.4 mA	0.2 mA	0.1 mA	0.05 mA

1 Specifications indicate typical performance at 25° C ± 5° C, nominal line input of 115 VAC.
2 For input voltage variation over the AC input voltage range, with constant rated load.
3 For 0-100% load variation, with constant nominal line voltage.
4 Maximum drift over 8 hours with constant line, load, and temperature, after 30-minute warm-up.
5 Change in output per ° C change in ambient temperature, with constant line and load.

General Specifications

Operational AC input voltage	Standard: 115 VAC ±10%. 57-63 Hz; Optional: 110/220/230/240 VAC ±10%, 47-63 Hz
Remote analog programming option	0-10 VDC for 0-100% or rated voltage or current ±0.1%, 0-10 k½ for 0-100% of rated voltage or current ±0.1%
Remote monitoring	0-10 VDC for 0-100% of rated voltage or current ±0.1%
Dimensions (HxWxD)	5.2 x 4.2 x 11.7" (134.7 x 109.2 x 297.3 mm)
Weight	9.5 lb (4.3 kg)
Warranty	Five years
Regulatory approvals	CE, CSA, UL

Note: Specifications are subject to change without notice.