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TECHNOLOGY GROUP

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Find the *Ametek / Xantrex / Sorensen XTS 15-4* at our website: *Click HERE*

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

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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	2 mV	2 mV	2 mV	2 mV	2 mV	2 mV	3 mV
Current	0.4 mA	0.4 mA	0.4 mA	0.3 mA	0.3 mA	0.3 mA	0.25 mA
Load Regulation [3]							
Voltage	2 mV	2 mV	2 mV	2 mV	2 mV	2 mV	3 mV
Current	0.4 mA	0.4 mA	0.4 mA	0.3 mA	0.3 mA	0.3 mA	0.25 mA
Output Noise & Ripple (20 Hz - 20 MHz)							
Voltage	<1 mVrms	<1 mVrms	<1 mVrms	<1 mVrms	<1 mVrms	<1 mVrms	<1 mVrms
Current	<2 mArms	<1 mArms	<1 mArms	<1 mArms	<1 mArms	<1 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 kΩ 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" (132 x 109 x 297 mm)
Weight	Approximately 7.7 lb (3.5 kg)
Warranty	5 years
Approvals	CSA certified to CSA C22.2 No. 107.1. Meets USA EMC standard FCC Part 15B Class A; meets Canadian EMC standard: ICES-001, Class A (Modules up to and including 120V)

Note: Specifications are subject to change without notice.

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