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Find the *Ametek / Xantrex / Sorensen XDC 60-200* at our website: *Click HERE*

Smart choice for power

xantrex

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Product Info | Specifications | Compare

XDC Series - 6 kW and 12 kW

XDC provides clean, reliable power for benchtop, ATE systems, burn-in, production test and OEM applications.

Specifications Available

- 6 kW 10-600
- 6 kW 20-300
- 6 kW 30-200
- 6 kW 40-150
- 6 kW 60-100
- 6 kW 80-75
- 6 kW 100-60
- 6 kW 150-40
- 6 kW 300-20
- 6 kW 600-10
- 12 kW 10-1200
- 12 kW 20-600
- 12 kW 30-400
- 12 kW 40-300
- 12 kW 60-200
- 12 kW 80-150
- 12 kW 100-120
- 12 kW 150-80
- 12 kW 300-40
- 12 kW 600-20

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6 kW 10-600

Electrical Specifications	
Output ratings:	
Output Voltage [1]	0-10 V
Output Current [2]	0-600 A
Output Power	6000 W
Line Regulation: [3]	
Voltage (0.01% of Vmax)	1 mV
Current (0.05% of Imax)	150 mA
Load regulation: [4]	
Voltage (0.05% of Vmax + 5 mV)	10 mV
Current (0.1% of Imax + 20 mA)	150 mA
Meter accuracy:	
Voltage (0.15% of Vmax)	15 mV
Current (0.5% of Imax)	3 A
Output noise (0-20 MHz):	
Voltage (p-p)	85 mV
Output ripple (rms):	
Voltage	10 mV
Current [5]	500 mA
Drift (30 minutes): [6]	
Voltage (0.04% of Vmax)	4 mV
Current (0.6% of Imax)	3600 mA
Drift (8 hours): [7]	
Voltage (0.02% of Vmax)	2 mV
Current (0.04% of Imax)	240 mA
Temperature coefficient: [8]	
Voltage (0.04% of Vmax/° C)	4 mV
Current (0.06% of Imax/° C)	360 mA
OVP adjustment range: (0 to 103% of Vmax)	0-10.3 V
Efficiency: [9]	85%

1. Minimum output voltage is <0.3% of rated voltage at zero output setting.

2. Minimum output current is <0.2% of rated current at zero output setting when measured with rated load resistance.

3. For input voltage variation over the AC input voltage range, with constant rated load.

4. For 0-100% load variation, with constant nominal line voltage.

5. Current mode noise is measured from 10% to 100% of rated output voltage, full current, unit in CC mode.

6. Maximum drift over 30 minutes with constant line, load, and temperature, after power on.

7. Maximum drift over 8 hours with constant line, load and temperature, after 30 minutes warm-up.

8. Change in output per ° C change in ambient temperature, with constant line and load.

9. Typical efficiency at nominal input voltage and full output power.

General Specifications	
Operational AC input voltage	3-phase 190-242 VAC (47-63 Hz) (standard); 3-phase 342-500 VAC, 47-6 Hz, 3 wire and safety ground, (optional)
Input Power Factor Correction	0.95 (nominal 208 Vrms), 0.9 (nominal 400 Vrms HV input option)
Remote analog programming	Voltage and current programming inputs 0-5 V, 0-10 V (default) voltage sources. Galvanically isolated from supply output.
Remote analog monitoring	Voltage and current monitor outputs 0-5 V, 0-10 V (default) ranges for 0-100% o output. Galvanically isolated from supply output.
Dimensions (H x W x D)	5.2 x 19.0 x 21.0" (133.5 x 483 x 533 mm)
Weight	Approximately 75 lb (34 kg)
Warranty	Five years

Regulatory Approvals

CE-marked units meet: EN61010-1, EN61000-6-2 and EN61000-6-4; CSA C/US certified to UL3111-1 and CSA C22.2 No 1010.1
Meets USA EMC standard: FCC, part 15B, class A; Meets Canadian EMC standard:

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