Power

High Performance XM Series 2

Energy Efficient CableUPS® Power Supply

- New high efficiency transformer cuts energy consumption by an average of 3%
- 6, 15 and 22 Amp models available for optimal load matching
- Next Generation microprocessor with double the memory capacity
- New communications menu with expanded DOCSIS® menu
- Expanded operational menu
- Enhanced set-up menu
- Backwards compatible with XM Series 2 CableUPS®

Alpha's High Performance XM Series 2 CableUPS is the answer to the higher energy costs associated with running today's cable networks. The XM2-HP power supply features a high efficiency transformer with lower power losses, lower power consumption and lower Life Cycle Costs. This new "green" power supply can greatly reduce the carbon footprint of the entire cable plant by running more efficiently 24/7. Additional features include an enhanced Smart Display with improved menus and dedicated Communications menu with DOCSIS® parameters. The XM2-HP is available in three convenient power ratings for load matching to operate at optimal efficiency.

Electrical Specifications

	XM2-906HP	XM2-915HP	XM2-922HP
Input Voltage (Vac):	120/240	120/240	200/240
Input Power Factor (at full load):	>0.90	>0.90	>0.90
Input Voltage Tolerance:	-30% to +20%	±15%	±15%
Input Frequency:	±3%/60Hz	±3%/60Hz	±3%/60Hz
Output Voltage (Vac):	63/87	63/75/87	63/75/87
Output Current (A):	8/6	15	22.5
Maximum Output Power (VA):	525	1350	2025
Output Waveform:	Quasi-square wave	Quasi-square wave	Quasi-square wave
Voltage Regulation:	±5%	±5%	±5%
Frequency Stability:	±0.05% inverter mode, ±1% normal mode	±0.05% inverter mode, ±1% normal mode	±0.05% inverter mode, ±1% normal mode
Short Circuit Current:	150% of maximum current rating	150% of maximum current rating	150% of maximum current rating
Transformer Efficiency:	90% typical line mode, 80% typical standby mode	90% typical line mode, 80% typical standby mode	90% typical line mode, 80% typical standby mode
Transfer Characteristics:	Uninterrupted output	Uninterrupted output	Uninterrupted output
Typical Standby Time (min):	360	125	110
Battery Voltage (Vdc):	36	36	48
Approx. Weight:	60/27	70/32	92/42

General Specifications

Battery Charger

Temperature Compensation:	Programmable (0 to 5mV/Cell/°C)
Charger Current:	10A at 80% load and nominal input (bulk charge mode)
Three Stage:	Bulk, accept, float

Mechanical

Status Display:	2 x 20 LCD with backlight
Dimensions (in):	15W x 8.75H x 13D
(mm):	381W x 222H x 330D
Finish:	Black, Epoxy Powdercoat

Environment

Operating Temperature:	-40 to 55°C/-40 to 133˚F
Relative Humidity:	0 to 95% non-condensing

Agency Compliance

FCC Part 15 Class A
UL1778, CSA 22.2 No. 107.1-M95

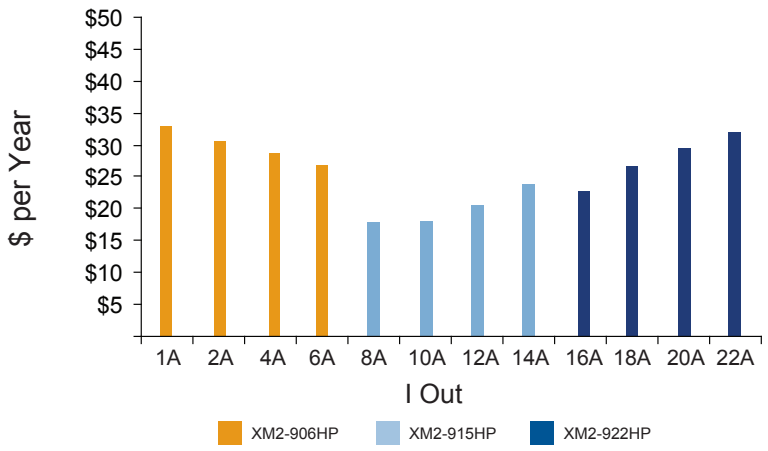
Smart Display Features

Output Current
Input Frequency
Battery Voltage
Battery Temperature
Output VA
Standby Time
DOCSIS® parameters

Built-in Diagnostics
Output Power (W)
Output Voltage
% load
Input Voltage
Charger Current
Number of Events

*DSM2 Communications Module required to view DOCSIS parameters

Annual Savings of High Performance XM2 vs. Standard XM2 Power Supplies



Note: Graph based upon a power supply operating at a typical 80% load and energy costs calculated at a U.S. average of $.10/kWh

For contact information visit www.alpha.com

The Alpha Group >

North America	Europe, Middle East & Africa			Asia Pacific	Latin & South America
USA Tel: +1 360 647 2360 Fax: +1 360 671 4936	Cyprus Tel: +357 25 375 675 Fax: + 357 52 359 595	Germany Tel: +49 9122 79889 0 Fax: +49 9122 79889 21	Lithuania Tel: +370 5 210 5291 Fax: +370 5 210 5292	P.R. China Tel: +852 2736 8663 Fax: +852 2199 7988	Contact USA office
Canada Tel: +1 604 430 1476 Fax: +1 604 430 8908	Russia Tel: +7 495 925 9844 Fax: +7 495 916 1349	United Kingdom Tel: +44 1279 501110 Fax: +44 1279 659870			

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