

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 DOCSIS® parameters
- Expanded operational menu
- Enhanced set-up menu
- Backwards compatible with XM Series 2 CableUPS®

Alpha's High Performance XM Series 2 power supply is the answer to the higher energy costs associated with running today's cable networks. The High Performance XM Series 2 power supply features a high efficiency transformer with lower power losses, lower power consumption, and lower Life Cycle Costs. Alpha's 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 easier to use Smart Display with improved menus and dedicated Communications menu with DOCSIS® parameters. The high performance XM Series 2 is available in three convenient power ratings for load matching and operating at optimal efficiency.



Nominal Specifications

	XM2-906HP	XM2-915HP	XM2-922HP
Input Voltage (Vac)	120/240	120/240	200/240
Input Frequency (Hz)	60	60	60
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
Typical Standby Time (min)	360	125	110
Battery Voltage (Vdc)	36	36	48
Approx.Weight (lb/kg)	60/27	70/32	92/42

General Specifications

Input

Power Factor: >0.90 at full load
 Voltage (XM2-915/922 HP): ±15%
 Voltage (XM2-906HP): -30 to 20%
 Frequency: ±3%

Environment

Operating Ambient Temp.: -40 to 55°C (-40 to 133°F)
 Relative Humidity: 0 to 95% non-condensing

Output

Waveform: Quasi-square wave
 Voltage Regulation: ±5%
 Frequency Stability: ±0.05% inverter mode, ±1% normal mode
 Short Circuit Current: 150% of maximum current rating
 Transformer Efficiency: 93% typical line mode, 87% typical standby mode
 Transfer Characteristics: Uninterrupted output

Agency Compliance

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

Smart Display Features

Built-in Diagnostics
 Output Voltage
 Input Voltage
 Output Current
 Battery Voltage
 Output VA
 DOCSIS® parameters

Output Power (W)
 % load
 Charger Current
 Input Frequency
 Battery Temperature
 Standby Time
 Number of Events

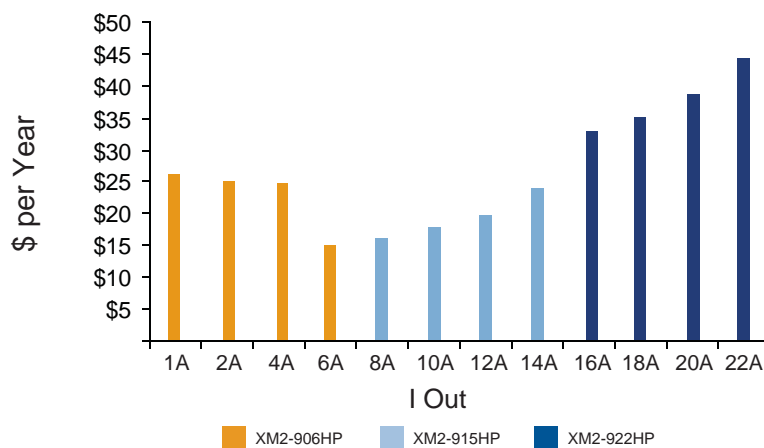
Battery Charger

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 powder coat

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

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