XM2-HP and XM2 CableUPS®

FEATURING THE i²M™ INTELLIGENT INVERTER MODULE

alpha® Total Power Solutions

RELIABILITY · INTELLIGENCE · SUSTAINABILITY · EFFICIENCY

North American Markets

Reliability, Intelligence, Sustainability, Efficiency

XM2-HP and XM2 CableUPS®

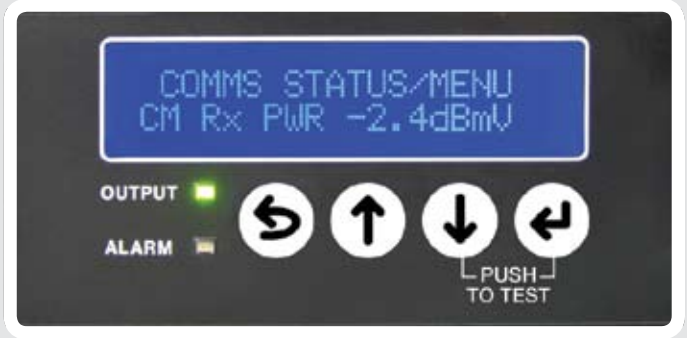
- *INDUSTRY LEADING HIGHEST EFFICIENCY FOR LOWER OPERATING COSTS*
- *COMMON iM INTELLIGENT INVERTER MODULE FOR XM2-HP AND XM2 PLATFORMS*
- *WIDE RANGE OF MODELS FOR EFFECTIVE LOAD MATCHING*
  - *XM2-HP MODELS AT 6, 18 AND 24 AMP POWER LEVELS*
  - *XM2 MODELS AT 10, 15 AND 22 AMP POWER LEVELS*
- *DISPLAYS CRITICAL SMART DOCSIS® PARAMETERS AND INDIVIDUAL BATTERY VOLTAGES*
- *COMPATIBLE WITH CHEETAH DOCSIS TRANSPONDERS*
- *SHARPER EASY-TO-READ BLUE LCD SMART DISPLAY*

www.alpha.com

iM™ Intelligent Inverter Module

Reliable Installation and Set-up with Optional Smart DOCSIS® Transponder

Reliable Provisioning of Smart DOCSIS Transponder



Displays Transmit (TX) and Receive (RX) power levels (dBmV) to ensure communications with the network operating center

Accurate transmit and receive RF levels verify proper attenuation

Reliable Provisioning of Network Communications

Displays IP address to verify network communication

Displays MAC address to verify correct provisioning

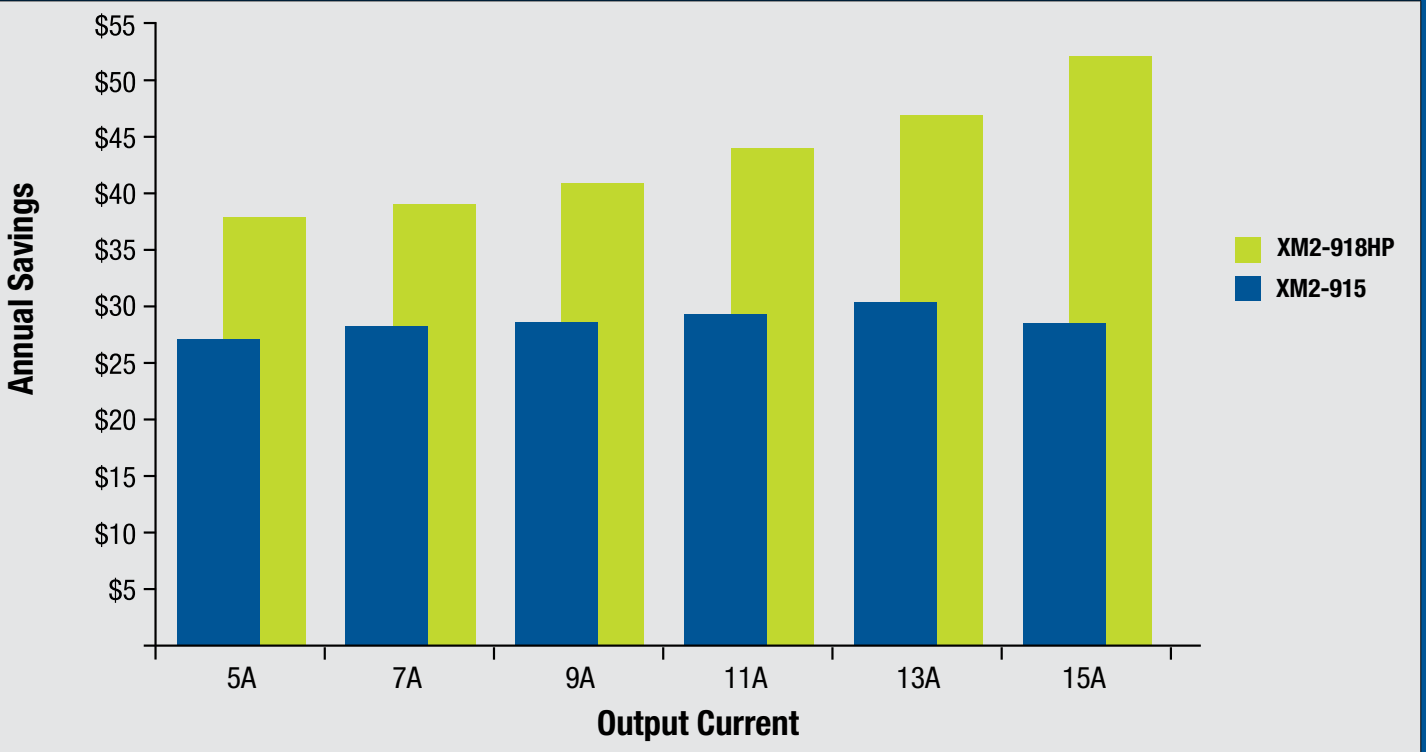
Optimal Charging of AlphaCell Batteries

Battery set-up menu allows the selection of AlphaCell models to optimize charging and prolong battery life

Monitors individual battery voltage to help quickly identify and replace bad batteries

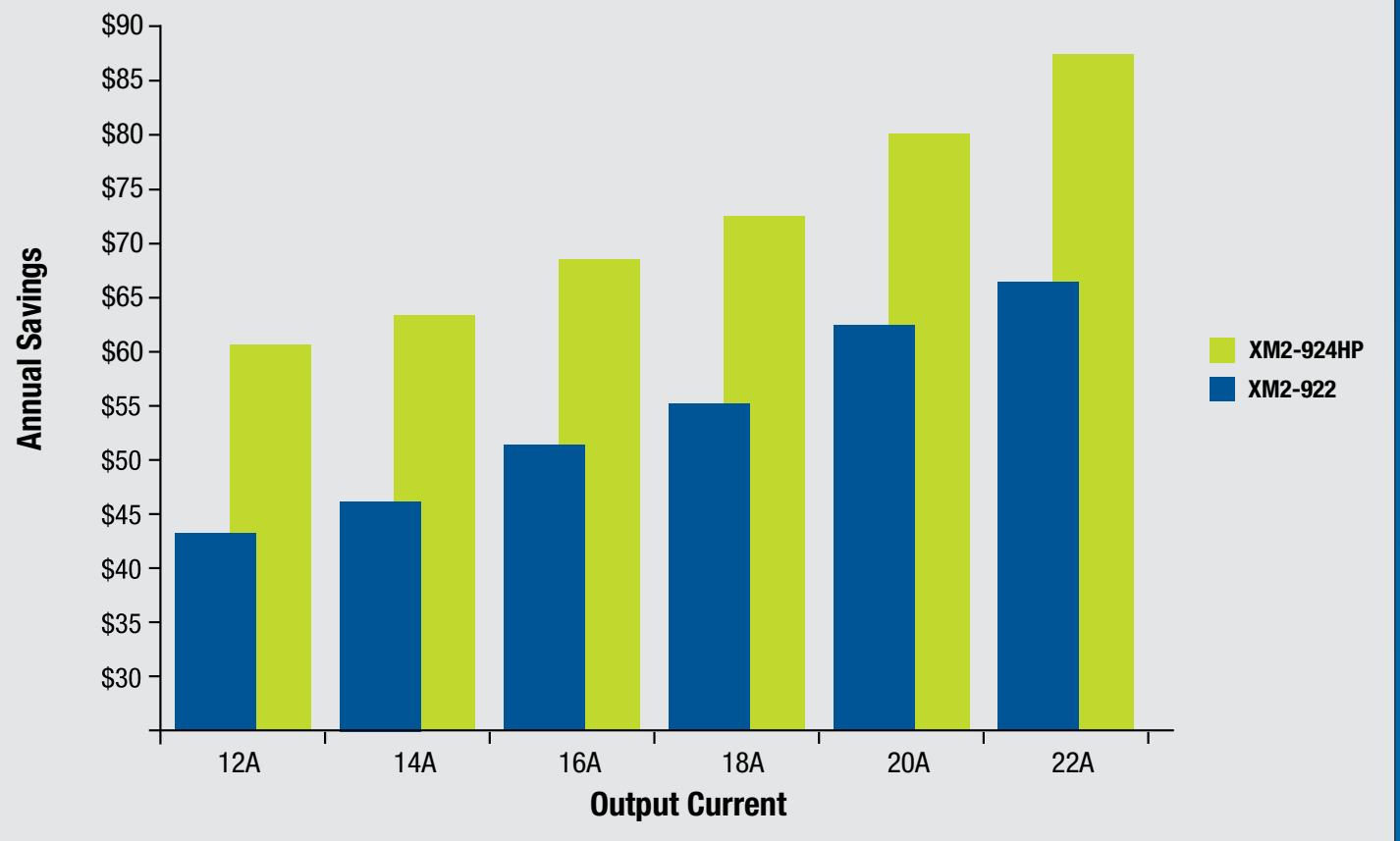
Highest Efficiency CableUPS®

Annual Savings of XM2-918HP and XM2-915 Power Supplies vs. Competitor



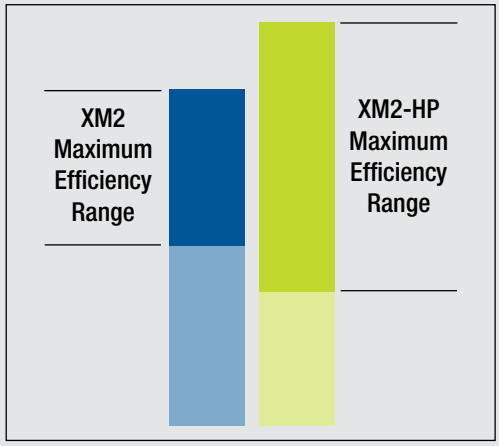
Note: Graph based upon energy costs calculated at a U.S. average of $.1051/kWh

Annual Savings of XM2-924HP and XM2-922 Power Supplies vs. Competitor



Note: Graph based upon energy costs calculated at a U.S. average of $.1051/kWh

XM2-HP Product Family Provides Maximum Efficiency



Application Guideline

Network Load

24 Amps (90V)
22
20
18
16
14
12
10
8
6
4
2

XM2-HP 90V 3.3 Amps
XM2-HP 90V 6 Amps
XM2 90V 10 Amps
XM2 90V 15 Amps
XM2-HP 90V 18 Amps
XM2 90V 22 Amps
XM2-HP 90V 24 Amps

XM2-300HP*
XM2-906HP
XM2-910
XM2-915
XM2-918HP
XM2-922
XM2-924HP

North American Markets

* Visit www.alpha.com for XM2-300HP product specifications

XM2-HP and XM2 CableUPS® North American Specifications

Models:	XM2-906HP	XM2-910	XM2-1350-48	XM2-915	XM2-915HV	XM2-922	XM2-922HV	XM2-918HP	XM2-924HP
Electrical									
Input Voltage (Vac):	120/240	120/240	120/240	120/240	120/240	208/240	240	120/240	208/240
Input Voltage Window:	-30 to +20%	-20 to +15%	-20 to +15%	-20 to +15%	-30 to +15%	-20 to +15%	-30 to +15%	-20 to +15%	-20 to +15%
Input Frequency:	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz
Input Frequency Window:	±3Hz	±3Hz	±3Hz	±3Hz	±3Hz	±3Hz	±3Hz	±3Hz	±3Hz
Output Voltage (Vac):	63/87	63/75/87	63/75/87	63/75/87	63/75/89	63/75/87	63/75/89	63/75/87	63/75/87
Output Current (A):	8/6	10/10/10	22/15/15	15/15/15	20/17.5/15	22/22/22	22/22/22	22/18/18	22/22/24
Max Output Power (VA):	540	900	1350	1350	1350	2025	2025	1620	2160
Output Waveform:	Quasi-square wave								
Voltage Regulation[1]:	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%
Output Frequency Stability: Line Mode	60Hz Nominal								
Output Frequency Stability: Inverter Mode	60Hz, ±0.05%								
Short Circuit Protection:	<150% of maximum current rating								
Transfer Characteristics:	Uninterrupted output								
Battery Voltage (Vdc):	36	36	48	36	36	48	48	36	48
Efficiency (Typical Load Range)									
Line Mode:	80-87%	86-90%						90-92%	
Standby Mode:	79-84%	82-85%						84-86%	
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 Blue LCD with backlight								
Dimensions H x W x D (in/mm):	8.8 x 15 x 13 / 222 x 381 x 330								
Approx. Weight (lb/kg):	53/24	62/28.1	70/31.8	70/31.8	72/32.7	92/41.7	96/43.5	72/32.7	95/42.9
Finish:	Black, epoxy powdercoat								
Environment									
Operating Temperature:	-40 to 55°C / -40 to 131°F								
Relative Humidity:	0 to 95% non-condensing								
Agency Compliance:	FCC Part 15 Class A, UL1778, UL1012, CSA 22.2 No. 107.1								
Optional Features									
Standard Protective Interface Module (PIM/N+1): Provides two programmable outputs from a single XM2 CableUPS power supply for redundancy in critical applications. The PIM protects system components and provides isolation between distribution legs by shutting down the individual load during over-current conditions.									

[1] Note: Voltage regulation is maintained over both line and load ranges.

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