

Modelo: GMX UPS	ESPECIFICACIONES TECNICAS	
Fecha: 2013		
Hojas 1 de 2		
Asunto	Módulo GMX UPS Power Supply	

Power

GMX Series

Global Market Standby Power Supply



- LCD Smart Display for simple operator interface
- Line Interactive Ferro Topology (LIFT) expands input voltage range to $\pm 30\%$
- Programmable, three-stage, temperature-compensating 10A battery charger
- Field programmable flash memory
- Built-in battery circuit breaker
- IEC style line cord

Alpha's GMX Series CableUPS® uninterruptible power supply is a cost-effective standby power supply designed for powering signal processing equipment in cable television and broadband LAN distribution systems. It provides a critical load with current-limited, regulated, AC power that is free of spikes, surges, sags and noise. The GMX's line interactive ferro topology allows it to compensate for input voltage variations of $\pm 30\%$ while providing constant output voltage.

The GMX is an ideal solution for cable operators who need a high-quality, reliable uninterruptible power supply. Features of the GMX include optional embedded DOCSIS or ethernet status monitoring cards, a user-friendly smart display, programmable battery self-test, terminal block output connections, output taps for 63V and 87V, 150W auxiliary output terminal, external battery temperature probe, built-in chassis handle, and replaceable MOV's.



GMX Series

Specifications

Model:	GMX 915	GMX 915P	GMX 915E
Electrical			
Input Voltage:	115Vrms	225Vrms	225Vrms
Input Tolerance:	Operating: ±30% (80 to 150Vrms) Line Return: ±25%	Operating: ±30% (158 to 292Vrms) Line Return: ±25%	Operating: ±30% (158 to 292Vrms) Line Return: ±25%
Nominal Input Current ¹ :	13A	7A	7A
Input Frequency:	60Hz, ±3Hz	60Hz, ±3Hz	50Hz, ±3Hz
DC Voltage:	36VDC	36VDC	36VDC
Low DC Voltage Cutout:	1.75V/Cell	1.75V/Cell	1.75V/Cell
Output Voltage:	63/87Vrms (Field Selectable)	63/87 Vrms (Field Selectable)	63/87 Vrms (Field Selectable)
Output Regulation, 87V TAP ² :	±3%	±3%	±3%
Output Regulation, 63V TAP ² :	±4%	±4%	±4%
Rated Output Current:	15A rms	15A rms	15A rms
Output Configuration:	Single	Single	Single
Output Frequency:	60Hz, ±1Hz (Inverter Operation)	60Hz, ±1Hz (Inverter Operation)	60Hz, ±1Hz (Inverter Operation)
Waveform:	Quasi Square wave	Quasi Square wave	Quasi Square wave
Slew Rate:	<200 V/ms, <100 V/ms typical	<200V/ms, <100V/ms typical	<200V/ms, <100V/ms typical
Crest Factor Ratio (Peak: RMS):	1.3:1 typical	1.3:1 typical	1.3:1 typical
Auxiliary Output 150W rated UPS:	104-132V (line), 85-141V (Inv)	205-260V (line), 170-265V (Inv)	205-260V (line), 170-265V (Inv)
Efficiency @ Default TAP Settings			
@100% Load:		91% typical at nominal input	
@75% Load:		90% typical at nominal input	
@50% Load:		88% typical at nominal input	
@25% Load:		80% typical at nominal input	
On Inverter (40 to 100% load):		84% typical	
Overload Protection			
Fold back (Typical @ Nominal Input)			
87V TAP:	24A rms	24A rms	24A rms
60V TAP:	33A rms	33A rms	33A rms
Output Current Into Short (@ Nominal Input)			
87V TAP:	<22.5A rms	<22.5A rms	<22.5A rms
60V TAP:	29A rms typical	29A rms	29A rms typical
Overload Current Operation			
0% to 110% Load:		Continuous Operation	
110 to 115% Load:		Continuous Operation with Alarm	
115 to 125% Load:		Shut Down approx. 30min	
125 to 150% Load:		Shut Down approx. 10min	
>150% Load:		Shut Down <10sec	
Battery Charging			
Charge Current ³ :		10A	
Temperature Compensation:		-5mV/Cell/°C (Programmable)	
Constant Current Operation:		High Rate Charge to 90% Capacity	
Constant Voltage Operation:		2.40V/Cell (Typ. 7hrs)	
Environmental			
Operating Range:		-40° to 55°C at Front Air Inlet of Power Supply	
Humidity:		0 to 95% non-condensing	
Altitude:		0 to 10,000ft (3000m) above sea level	
Mechanical			
Height (in/mm):	7.8/198	7.8/198	7.8/198
Width (in/mm):	16.8/427	16.8/427	16.8/427
Depth (in/mm):	11.4/290	11.4/290	11.4/290
Weight (lb/kg):	60/27.5	60/27.5	60/27.5
Front Panel Display (LCD):	2 x 20 Character LCD	2 x 20 Character LCD	2 x 20 Character LCD
Front Panel Indicators (LED):	Output Status & Alarm	Output Status & Alarm	Output Status & Alarm
Finish:	Black Powder Coat	Black Powder Coat	Black Powder Coat
Communication			
Status Monitoring:		Optional ESM/DSM	
Agency			
Safety Recognition:	UL 1778/CSA C22.2, No. 107.1	UL 1778/CSA C22.2, No. 107.1 CB scheme	EN50091-1-2, IEC 60960 CB scheme and CE
Emissions:	FCC, Class A	CISPR 22, Class A	EN 50091-2, (CE Class A)
Notes:			
¹ Batteries fully charged			
² Output regulation at nominal input frequency. Frequency variations will proportionally affect the output voltage (i.e., a 1% reduction in frequency will result in approximately a 1% drop in output voltage)			
³ Varies with input line voltage and output load.			