

Power

GMX Series

Global Market Standby Power Supply



- Line Interactive Ferro Technology
- Wide input voltage range of $\pm 30\%$
- Compact packaging with light-weight Ferro
- Field programmable flash memory
- Embedded DOCSIS[®] monitoring option
- 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 MOVs.



GMX Series

Specifications

Model:	GMX 915	GMX 915P	GMX 915E
Electrical			
Input Voltage (Vac):	120	240	240
Input Voltage Tolerance:	Operating: $\pm 30\%$ (80 to 150Vrms)	Operating: $\pm 30\%$ (158 to 292Vrms)	Operating: $\pm 30\%$ (158 to 292Vrms)
Line Return:	$\pm 25\%$	$\pm 25\%$	$\pm 25\%$
Nominal Input Current ¹ :	13A	7A	7A
Input Frequency:	60Hz, $\pm 3\text{Hz}$	60Hz, $\pm 3\text{Hz}$	50Hz, $\pm 3\text{Hz}$
DC Voltage (Vdc):	36	36	36
Low DC Voltage Cutout:	1.75V/Cell	1.75V/Cell	1.75V/Cell
Output Voltage:	63/87 (Field Selectable)	63/87 (Field Selectable)	63/87 (Field Selectable)
Output Regulation, 87V TAP ² :	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$
Output Regulation, 63V TAP ² :	$\pm 4\%$	$\pm 4\%$	$\pm 4\%$
Output Current:	15A	15A	15A
Output Frequency Stability:	60Hz, $\pm 1\text{Hz}$ (Inverter Operation)	60Hz, $\pm 1\text{Hz}$ (Inverter Operation)	60Hz, $\pm 1\text{Hz}$ (Inverter Operation)
Waveform:	Quasisquare wave	Quasisquare wave	Quasisquare wave
Battery Charging			
Charge Current ³ :	10A		
Temperature Compensation:	-5mV/Cell/ $^{\circ}\text{C}$ (Programmable)		
Constant Current Operation:	High Rate Charge to 90% Capacity		
Constant Voltage Operation:	2.40V/Cell (Typ. 7hrs)		
Environmental			
Operating Temperature:	-40 to 55 $^{\circ}\text{C}$ / -40 to 131 $^{\circ}\text{F}$		
Humidity:	0 to 95% non-condensing		
Altitude:	0 to 3000m/0 to 10,000ft above sea level		
Mechanical			
Dimensions (in/mm):	7.8H x 16.8W x 11.4D/ 198 x 427 x 290	7.8H x 16.8W x 11.4D/ 198 x 427 x 290	7.8H x 16.8W x 11.4D/ 198 x 427 x 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, Epoxy Powdercoat	Black, Epoxy Powdercoat	Black, Epoxy Powdercoat
Communication			
Status Monitoring:	Optional DSM and ESM		
Agency			
Agency Compliance:	UL 1778/CSA C22.2, No. 107.1	UL 1778/CSA C22.2, No. 107.1 IEC 60950-1 CB Scheme	EN50091-1-2, EN60950-1, IEC 60950-1 CB scheme and CE
Emissions:	FCC, Class A	CISPR 22, Class A	EN 55022, EN 50091-2 (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.			

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