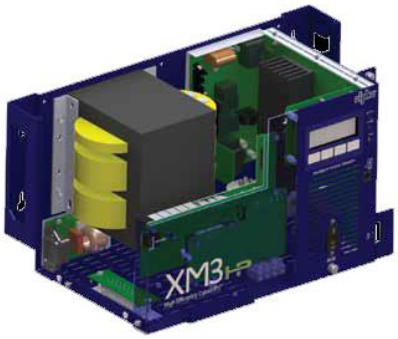
ALPHA XM3V-HP

ENERGY EFFICIENT CABLEUPS POWER SUPPLY

From ground-breaking transformer design improvements to the integration of the most intuitive and user-friendly interface in the industry, the Alpha XM3V-HP CableUPS® incorporates significant technological advancements across the entire power technology platform, and sets the new standard in intelligent power management. These advancements focus on delivering three primary benefits for broadband and telecom power applications:

ADVANCED EFFICIENCY TECHNOLOGY



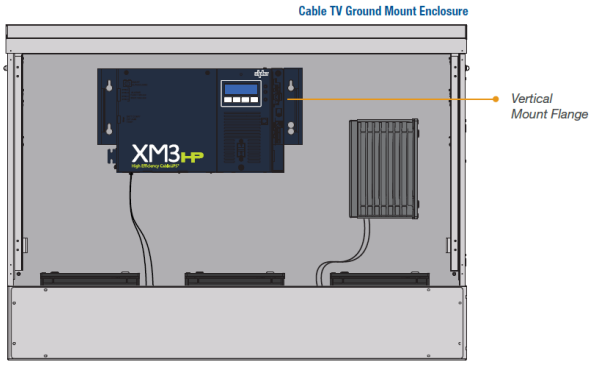
The Alpha XM3V-HP triple efficiency ferro
technology optimizes the power supply's performance resulting in significantly reduced utility power consumption and a direct savings in network operating costs.

Highest Line Mode Efficiency
The XM3V-HP offers the highest line mode efficiency available, requiring less AC utility power to support a load.

Tightest Output Voltage Regulation
Alpha's XM3V-HP provides the tightest output voltage regulation ever offered to reduce I2R cable power losses.

Maximum Inverter Efficiency
Significant gains in inverter efficiency directly translates into increased battery runtimes, further improving network performance and power outage recovery capabilities.

Wall Mountable XM3V-HP Platform

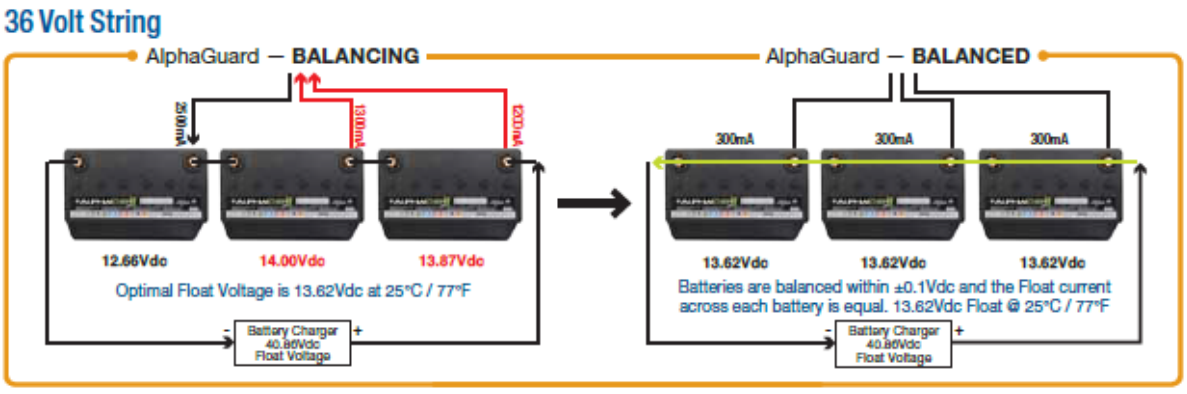


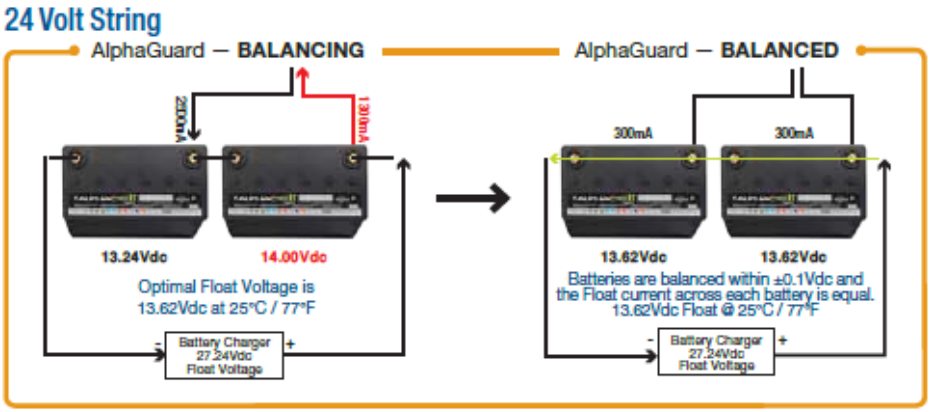
ADVANCED BATTERY MANAGEMENT

The Alpha XM3V-HP's Advanced Battery Management optimizes battery life and contributes to both reducing capital expenditures and on-going operating costs.

Embedded Battery Balancing

The Alpha XM3V-HP embedded AlphaGuard uses advanced battery balancing technology to re-direct current from overcharged batteries to the undercharged battery, optimizing battery service life.





Dynamic Multi-Stage Charging

The Alpha XM3V-HP's dynamic 5-stage battery charging technology provides system batteries with optimal charge management.

The Alpha XM3V-HP's internal intelligence provides

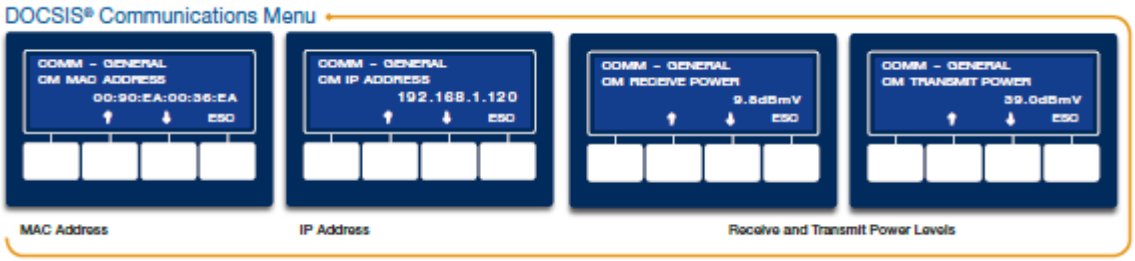
Network Operation Centers (NOC) with the critical and highly relevant data necessary to reduce operating expenses through remote management of the power network.

ADVANCED INTELLIGENCE PLATFORM

The Alpha XM3V-HP's internal intelligence provides Network Operation Centers (NOC) with the critical and highly relevant data necessary to reduce operating expenses through remote management of the power network.

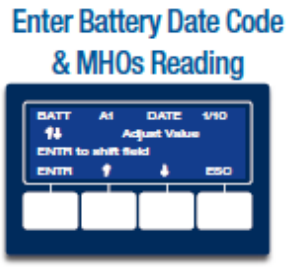
Embedded DOCSIS® Communications

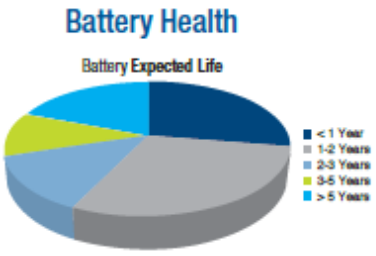
The XM3V-HP AlphaNet™ Integrated DOCSIS Communications Platform enables access to all of the XM3V-HP's advanced information and diagnostics through a standard (SNMP) network interface.

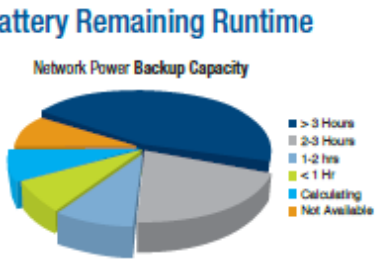


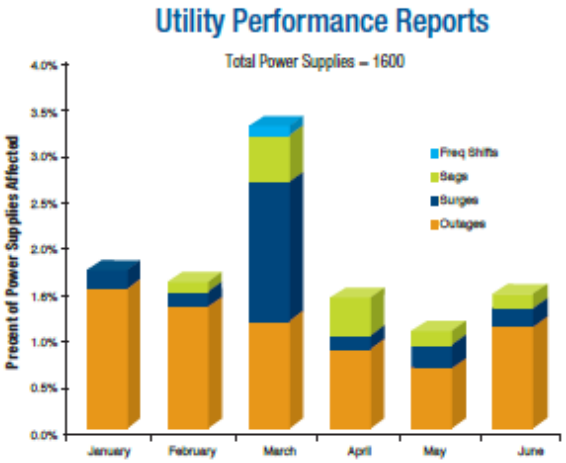
Embedded Alpha Applications

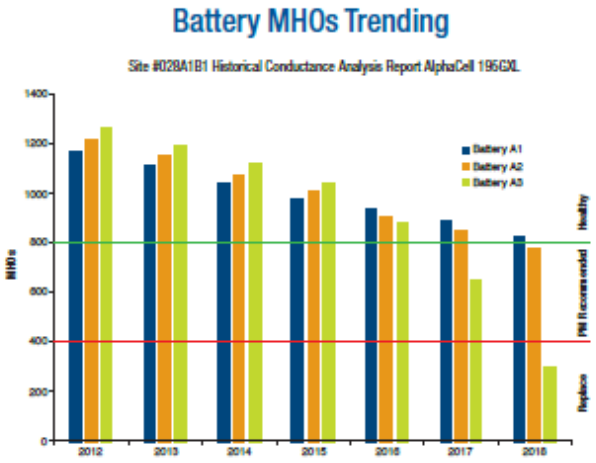
Power reliability algorithms use real-time data to predict service intervals and battery replacements.











SPECIFICATIONS

XM3V-HP MODELS	608CE-HP	608CE-HP-24	618CE-HP	618CE-HP-24
PARAMETER				
Nominal AC Input Voltage (VAC)	230	230	230	230
Nominal Input Frequency (Hz)	50	50	50	50
Input Frequency Tolerance (%)	±3	±3	±3	±3
Input Voltage Operating Range Tolerance (%)	-30 / +20	-30 / +20	-30 / +20	-30 / +20
Output Voltage (VAC)	63	63	63	63
Output Voltage Regulation	-3.5 / +1.5	-3.5 / +1.5	-3.5 / +1.5	-3.5 / +1.5
Maximum Rated Output Current (A)	8	8	18	18
Maximum Output Power (VA)	504	504	1134	1134
Line Mode Efficiency (%)	Up to 94			
Standby Efficiency (%)	Up to 91			
Bulk Charger Current (Amps @ 80% Load & Nom line)	6	6	10	10
Battery Voltage (VDC)	36	24	36	24
MECHANICAL				
Inverter Module	Front plug in, hot swappable inverter module			
Dimensions H x W x D (mm)	198.1 x 381 (424.18 w/handle) x 254 (271.8 w/handle)			
Weight (kg)	23.8	23.8	28.8	28.8
Input Power Connector	IEC 320/C20			
Battery Connector	Anderson style 75A			
Remote Temp Sensor	Ring lug fastens to negative terminal on center battery			
Display	4 Line by 20 character LCD with soft-key menu controls			
LRI Connector	Pluggable Terminal Block			
Mounting	Shelf mounts inside suitably rated electrical enclosure			
ENVIRONMENT				
Operating Temperature (°C)	-40–60 (derate by 2°C per 304.8 m above 914.4 m)			
Storage Temperature (°C)	-40 to 70			
Humidity (%)	0–95 non-condensing (relative)			
Conformal Coating	All printed circuit board assemblies to prevent moisture related failure			
SAFETY COMPLIANCE				
EN 60728-11	Yes	Yes	Yes	Yes
IEC 60950-1 (CB)	Yes	Yes	Yes	Yes
IEC 62040-1	Yes	Yes	Yes	Yes
Safety Mark	CE	CE	CE	CE
EMC COMPLIANCE				
IEC/EN 50083-2 (CATV)	Yes	Yes	Yes	Yes
IEC/EN 65040-2 (UPS)	Yes	Yes	Yes	Yes
CISPR22	N/A	N/A	N/A	N/A

XM3V-HP MODELS	912E-HP	912E-HP-24	906E-HP	906E-HP-24
PARAMETER				
Nominal AC Input Voltage (VAC)	200–240	200–240	200–240	200–240
Nominal Input Frequency (Hz)	50	50	50	50
Input Frequency Tolerance (%)	±3	±3	±3	±3
Input Voltage Operating Range Tolerance (%)	-30 / +20	-30 / +20	-30 / +20	-30 / +20
Output Voltage (VAC)	89	89	89	89
Output Voltage Regulation	-5 / +1	-5 / +1	-5 / +1	-5 / +1
Maximum Rated Output Current (A)	12	12	6	6
Maximum Output Power (VA)	1068	1068	534	534
Line Mode Efficiency (%)	Up to 94			
Standby Efficiency (%)	Up to 91			
Bulk Charger Current (Amps @ 80% Load & Nom line)	10	10	6	6
Battery Voltage (VDC)	36	24	36	24
MECHANICAL				
Inverter Module	Front plug in, hot swappable inverter module			
Dimensions H x W x D (mm)	198.1 x 381 (424.18 w/handle) x 254 (271.8 w/handle)			
Weight (kg)	28.8	28.8	23.8	23.8
Input Power Connector	IEC 320/C20			
Battery Connector	Anderson style 75A			
Remote Temp Sensor	Ring lug fastens to negative terminal on center battery			
Display	4 Line by 20 character LCD with soft-key menu controls			
LRI Connector	Pluggable Terminal Block			
Mounting	Shelf mounts inside suitably rated electrical enclosure			
ENVIRONMENT				
Operating Temperature (°C)	-40–60 (derate by 2°C per 304.8 m above 914.4 m)			
Storage Temperature (°C)	-40 to 70			
Humidity (%)	0–95 non-condensing (relative)			
Conformal Coating	All printed circuit board assemblies to prevent moisture related failure			
SAFETY COMPLIANCE				
EN 60728-11	N/A	N/A	N/A	N/A
IEC 60950-1 (CB)	Yes	Yes	Yes	Yes
IEC 62040-1	N/A	N/A	N/A	N/A
Safety Mark	N/A	N/A	N/A	N/A
EMC COMPLIANCE				
IEC/EN 50083-2 (CATV)	N/A	N/A	N/A	N/A
IEC/EN 65040-2 (UPS)	N/A	N/A	N/A	N/A
CISPR22	Yes	Yes	Yes	Yes