

# Power

## Media System

2RU 3kVA Inverter System



Media Inverter

- › Revolutionary 'GREEN' technology provides 93% system efficiency
- › Up to 3kVA/2.4kW of highly reliable, Telecom-grade AC power
- › 2RU shelf system provides high power density
- › Flexible mounting options for 19" or 23" box bay or open relay racks
- › Seamless integration with Alpha's CXC controllers via CAN bus
- › Integrated 120 and 120/240V configuration with integrated distribution

The Media System combines the high reliability of a Telecom grade inverter system with the high efficiency of an AC UPS. Incorporating the same revolutionary technology as Alpha's AMPS80 HP and AMPS24 HP systems, the Media System offers a low profile solution for critical AC loads in Telecom, Cable, IT and industrial sites.

The 2RU compact, integrated system comes preconfigured with one or two 1500VA/1200W hot swappable AC power modules in a variety of distribution options and provides low Mean Time to Repair (MTTR) and N+1 redundancy (with 2 power modules).

Both single phase 120Vac and split phase 120/240Vac configurations are available with integrated distribution options including bulk output, Nema 5-15R receptacle and NEMA L14-20R twistlock receptacles.

Additionally, the Media System may be seamlessly integrated with an Alpha power plant using the unified Cordex controller to manage and control the Media system's AC power modules in addition to DC power modules and peripherals.

# Media System 2RU 3kVA Inverter System

Consult your Alpha representative for P/N configurations

## General Specifications

Efficiency:.....93% AC-to-AC; 90% DC-to-AC  
(from 50 to 100% full resistive load)  
Waveform:.....Pure sine wave  
Output power factor: .....0.8 (can run capacitive & inductive loads)  
Transfer time: .....Zero transfer time

## Inverter Module AC Output

Power rating:..... 1500VA/1200W  
Nominal voltage:..... 120Vac  
Voltage accuracy: ..... ±2%  
Frequency: ..... 60Hz (same as input frequency)  
Inverter frequency accuracy: ..... 0.03%  
THD (resistive load): ..... <1.5%  
Transient load recovery time:..... 0.4 ms  
Soft start time:..... 20s  
Maximum crest factor  
(nominal power): ..... 3.5  
Short circuit overload capacity: .... 10 x I<sub>n</sub> for 20msec (AC-to-AC mode)  
Short term overload capacity:..... 150% for 5 seconds  
Permanent overload capacity:..... 110%  
Synchronization range:..... 57 - 63Hz  
Heat dissipation: ..... 286BTU per hour in AC-to-AC mode  
410BTU per hour in DC-to-DC mode

## Ordering Information

Part No.	Part Description
0260022-001	Media System, 1500VA/1200W, 120Vac Single Phase w/1 empty slot for future expansion to 3000VA, Bulk AC Output
0260022-002	Media System, 1500VA/1200W, 120Vac Single Phase w/1 empty slot for future expansion to 3000VA, 4x NEMA15A, 1-P
0260022-003	Media System, 3000VA/2400W, 120Vac Single Phase, Bulk AC Output
0260022-004	Media System, 3000VA/2400W, 120Vac Single Phase, 4x NEMA 15A, 1-P
0260022-005	Media System, 3000VA/2400W, 120/240Vac 'Split'/ 2-Pole, Bulk AC Output
0260022-006	Media System, 3000VA/2400W, 120/240Vac 'Split'/ 2-Pole, 2 x NEMA 15A 1-P & 1 x 15A 2-P Twist Lock
0260022-007	Media System, 3000VA/2400W, 120/240Vac 'Split'/ 2-Pole, 2 x 15A 2-P Twist Lock receptacles

## Inverter Module Input

Nominal AC voltage: ..... 120Vac  
Input power factor: .....>99%  
Nominal DC voltage: .....48Vdc  
Maximum DC  
voltage range: .....40 - 60Vdc (user adjustable)  
Voltage ripple: .....<2mV/<38 dbrnc

## Monitoring and Control

- T2S Controller may be seamlessly integrated with Cordex CXC controller via CAN bus
- Dry contacts on shelf
- Status LEDs on modules

## Environmental

Operating temperature  
(full load): .....-20 to 50°C (-4 to 122°F)  
Storage temperature:.....-40 to +70°C (-40 to 158°F)  
Relative humidity:.....Up to 95%, non-condensing  
Operating altitude: .....Up to 1500m (4,900ft) above sea level

## Mechanical

Dimensions:  
mm:.....89H x 448Wx 317.5D  
inches:.....3.5H x 17.65W x 12.5D  
Weight:.....12.7kg (5.3lbs)  
(including 2 x Media modules)

## Agency Compliance

Safety:.....UL 1778 (Ed.4)  
EMC (immunity):.....IEC 1000-4  
EMC (emission):.....FCC PART 15

## Related Components

0140006: .....Spare Media inverter Module,  
1500VA,120Vac, Red front  
870-634-20:.....Cable Assembly, RJ45 to RJ12, 6 Feet,  
105C, Can Bus