



an EnerSys® company

AMPS HP2

Modular Inverter System



- Innovative, inverter system for critical facilities and Telecom applications
- Single, dual and three phase configurations with up to 75kVA/60kW capacity
- 'HP' technology engineered to deliver high efficiency, high system reliability and low total cost of ownership
- 95% efficiency, 15 year design life and module MTBF (Mean Time Between Failures) greater than 200,000 hours results for class-leading TCO (Total Cost of Ownership)
- Intelligent system controller with integrated SNMP for local and remote management of AC power modules, optional rectifier modules, batteries and other peripherals
- Small footprint system in a single 19" box bay rack, freeing up valuable rack and floor space
- Optional 2.4kW rectifier modules convert the AMPS into a modular, standalone, high-reliability UPS

Introducing the AMPS HP2, Alpha® high performance AC power system offering Telecom grade reliability, 95% efficiency and high power density.

The AMPS HP2 features hot swappable 2.5kVA/2.0kW inverter modules and optional 2.4kW rectifier modules that are the building blocks of a highly reliable inverter system utilizing -48VDC battery bus. Each inverter module can utilize either AC or DC sources or both, eliminating the need for a static transfer switch. Transfer between sources is 100% seamless with zero transfer time.

Alpha® CXC-HP controller with it's integrated Ethernet/SNMP interface monitors and manages the complete system through a web based GUI and local LCD touch screen. The controller also features email notification via TCP/IP, user definable alarms and data logging, flexible battery management features, and smart peripheral monitoring features.

The AMPS HP2 meets your current and future power needs by allowing you to purchase only the power modules you currently need while having ultimate flexibility to scale up or down, depending on future power needs. Best in class craft access and user friendly connections make the system easy to install, easy to service and easy to upgrade. Furthermore, Alpha® warranty and comprehensive support network for ordering spare modules make AMPS HP2 a smart and dependable investment decision.

AMPS HP2 Modular Inverter System

Standard Features					
<ul style="list-style-type: none"> System controller with integrated SNMP communications AC input & output breaker Integrated maintenance bypass switch Transient voltage surge suppressor (TVSS) 					
Electrical					
	AMPS HP2 1-10	AMPS HP2 2-20	AMPS HP2 3-30	AMPS HP2 2-40	AMPS HP2 3-75
System Part Number:	0260083-010 w/o Cntrl option (-110)	0260083-020 w/o Cntrl option (-120)	0260083-030 w/o Cntrl option (-130)	Inverter version: 0260081-001/003*** UPS version: 0260081-002/004****	Inverter version: 0260080-001/003*** UPS version: 0260080-002/004****
Inverter System Max Capacity:	10kVA/8kW	20kVA/16kW	30kVA/24kW	40kVA/32kW	75kVA/60kW* or 68kVA/54kW (N+1)
System AC Input Voltage:	120VAC Single Phase (2 Wire +G)	120/208VAC 2-Pole (Or) 120/240VAC Split Phase (3 Wire+G)	120/208VAC 3 Phase (4 Wire+ G)	120/208VAC 2-Pole (Or) 120/240VAC Split Phase (3 Wire+G)	120/208VAC 3 Phase (4 Wire+ G)
Inverter Input AC Breaker:	100A, 1-Pole	100A, 2-Pole	100A, 3-Pole	200A, 2-Pole	250A, 3-Pole
Efficiency:	95% AC-to-AC; 91% DC-to-AC (from 50% to 100% full load resistive)				
Inverter Module Output:	2.5kVA/2.0kW	2.5kVA/2.0kW	2.5kVA/2.0kW	2.5kVA/2.0kW	2.5kVA/2.0kW
Inverter Positions:	Up to 4 modules	Up to 8 modules	Up to 12 modules	Up to 16 modules	Up to 30 modules
Rectifier System Max Capacity:				14.4kW	14.4kW
Rectifier Input AC Breaker:				1x 100A Breakers (UPS Version)	1x 60A Breaker (UPS Version)
System DC Input Voltage:	-48VDC	-48VDC	-48VDC	-48VDC	-48VDC
Rectifier Efficiency:				+96%	+96%
Rectifier Module Output:				2.4kW	2.4kW
Rectifier Positions:				Up to 6 modules	Up to 6 modules
Mechanical					
System Dimensions:	15.75H x 19W x 23.6D	19.25H x 19W x 23.6D	22.75H x 19W x 23.6D	83.4H x 24W x 28D	83.4H x 24W x 28D
Mounting Configuration:	19 or 23" Rack Mountable Front or Mid Mount			Preinstalled in Box Bay	
DC Input Connections:	4x 3/8" on 1" Centers per polarity	4x 3/8" on 1" Centers per polarity	4x 3/8" on 1" Centers per polarity	4x 3/8" on 1" Centers per polarity**	4x 3/8" on 1" Centers per polarity**
System Weight:	112lbs	128lbs	144lbs	600lbs	700lbs
Inverter Module Weight:	9.6lbs	9.6lbs	9.6lbs	9.6lbs	9.6lbs
Rectifier Module Weight:				3.9lbs	3.9lbs
Controller:	CXC-HP	CXC-HP	CXC-HP	CXC-HP	CXC-HP
Environmental					
Temperature:	Operating (full load): -20 to 40°C (-4 to 104°F) Storage: -40 to 70°C (-40 to 158°F)				
Relative Humidity:	Up to 95%, non-condensing				
Operating Altitude:	Up to 1500m (4921ft) above sea level				
Thermal Dissipation per 2.5kVA/2kW AIM module:	360 BTU/hr in AC to AC mode; 675 BTU/hr in DC to AC mode				
Agency Compliance					
Safety:	UL1778 (5th Ed); CSA C22.2 No. 107.3-14 UPS General Safety				
EMC:	FCC CFR47 Part 15 Class A; ICES-003				
<p>*Consult factory for part number **8 total with back to back termination ***001/002: Top feed AC/DC ****003/004: Top feed AC, Bottom feed DC</p>					



Alpha Technologies Services, Inc. USA: 3767 Alpha Way, Bellingham, WA 98226 Canada: 7700 Riverfront Gate, Burnaby, BC V5J 5M4
Toll Free North America: +1 800 322 5742 Outside US: +1 360 647 2360 Technical Support: +1 800 863 3364
For more information visit www.alpha.com

© 2020 Alpha Technologies Services, Inc. All Rights Reserved. Trademarks and logos are the property of Alpha Technologies Services, Inc. and its affiliates unless otherwise noted. Subject to revisions without prior notice. E. & O.E.