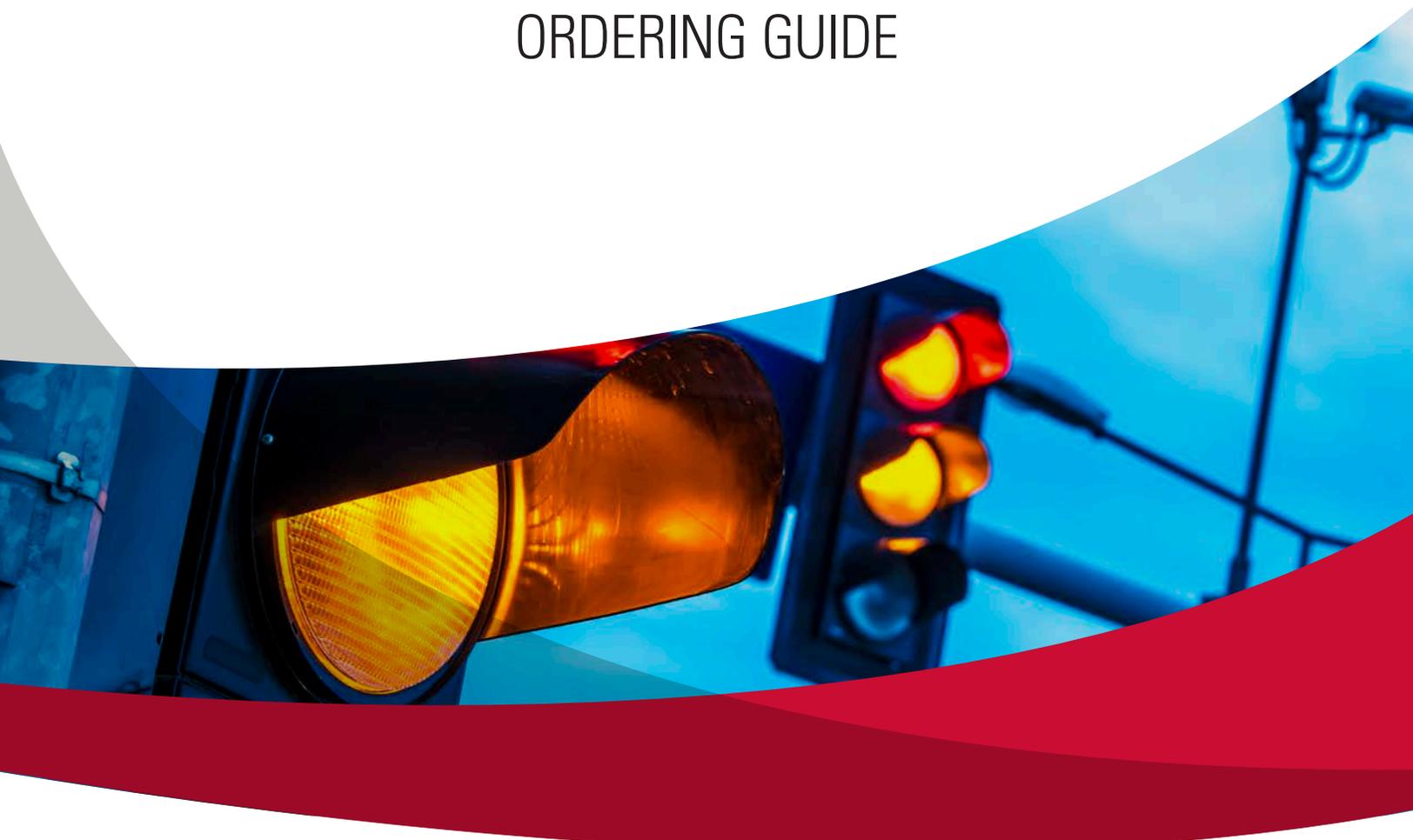


# MICRO 1000 RUGGED UPS SYSTEM

ORDERING GUIDE



# MICRO 1000 RUGGED UPS SYSTEM ORDERING GUIDE

## SYSTEM INFORMATION

- 120VAC OR 230VAC INPUT/OUTPUT\*
- 1000W

## FEATURES

- AUTOMATIC VOLTAGE REGULATION (AVR)
- REMOTE MONITORING AND RESET
- STANDARD POLE/WALL MOUNT
- OPTIONAL PEDESTAL KIT
- BATTERY HEATER MATS OPTIONAL
- LONGER RUNTIME CONFIGURATION
- TYPE 3R ENCLOSURE
- MONITORING VIA SNMP/WEB

## APPLICATIONS

- OUTDOOR SECURITY CAMERAS
- PARKING GATES
- FIXED WIRELESS
- WISP
- TELEMETRY EQUIPMENT
- AC SMALL CELL
- WAP

With close to 40 years of experience in the global UPS market, Alpha® is the leader in providing a complete line of AC powering solutions for rugged outdoor applications. Our Micro 1000 uninterruptible power supply (UPS) offers a scalable design with a power module and 3 enclosure sizes to meet your long runtime requirements. Micro XL3 can house up to 4 x 100Ah batteries which can provide more than 3 hours runtime at full load of 1000W. Featuring automatic voltage regulation (AVR), each UPS provides power stability in varied power conditions as well as the ability to switch to emergency backup power without interrupting power to the critical load. AVR minimizes transfers to battery power, thus reducing battery use and extending battery life. The factory installed Ethernet/SNMP card allows communication with the UPS remotely through any web browser and is capable of notifying via email or SNMP traps. Outgoing email notifications can be customized with selectable severity levels and triggered by events, faults and/or alarms.

Standard wall/pole bracket offers mounting flexibility out of the box and an optional pedestal kit is available for Micro and Micro XL System configurations. Optional battery heater mats are available as well for optimal runtime performance in colder regions.

\*Different part number for North American (120VAC/60Hz) and International (230VAC/50Hz) variants.



# MICRO UPS SYSTEM SELECTION GUIDE

## STEP 1: CONFIRM AC LOAD IN WATTS AND REQUIRED RUNTIME

BATTERY RUNTIME AND ENCLOSURE SIZING					
AC LOAD	30 MINUTES	1 HOUR	2 HOURS	4 HOURS	8 HOURS
200W	4 x 17Ah	4 x 17Ah	4 x 17Ah	4 x 34Ah	4 x 56Ah
400W	4 x 17Ah	4 x 17Ah	4 x 34Ah	4 x 56Ah	4 x 100Ah
600W	4 x 17Ah	4 x 17Ah (55min)	4 x 56Ah	4 x 80Ah	
800W	4 x 17Ah	4 x 34Ah	4 x 56Ah	4 x 100Ah	
1000W	4 x 17Ah (25min)	4 x 56Ah	4 x 80Ah		

**Notes:**

- Battery sized at ambient temperature of 25°C
- Battery aging and design margins not considered
- Actual runtime in the field may vary due to environmental conditions, age and health of the battery

## STEP 2: SELECT BATTERY AND MICRO ENCLOSURE OPTION BASED ON RUNTIME

<b>MICRO 1000</b> 4 X 17Ah	<b>MICRO 1000XL</b> 4 X 34 OR 56Ah	<b>MICRO 1000XL3*</b> 4 X 80 OR 100Ah
-------------------------------	---------------------------------------	--

\*Can house max Case 27 battery per shelf



CONNECT WITH US AT [WWW.ENERSYS.COM/REQUEST-A-QUOTE](http://WWW.ENERSYS.COM/REQUEST-A-QUOTE)

# MICRO 1000 UPS SYSTEM

## UPS & ENCLOSURE - SELECT ONE BASED ON INPUT VOLTAGE

PART NUMBER	DESCRIPTION	QTY
017-239-53	Micro 1000, 120VAC, 60Hz, Hardwired Input/Output, 1000VA/W, 48VDC Battery Bus, with SNMP Card, Type 3R Cabinet	1
017-240-46	Micro 1000, 230VAC, 50Hz, Hardwired Input/Output, 1000VA/W, 48VDC Battery Bus, with SNMP Card, Type 3R Cabinet	1

## BATTERY & CABLE KIT

PART NUMBER	DESCRIPTION	QTY
181-025-10	Battery, 12V, 17Ah, Standard Life General Purpose VRLA (AGM), Top Terminal	4
870-602-22	Battery Cable Kit, 48VDC, #10 ring lug	1

## BATTERY HEATER MAT - SELECT ONE BASED ON INPUT VOLTAGE

PART NUMBER	DESCRIPTION	QTY
189-223-20	Battery Heater Mat 120VAC Unit, M Type	1
189-225-20	Battery Heater Mat 230VAC Unit, M Type	1

## OPTIONAL PEDESTAL KIT

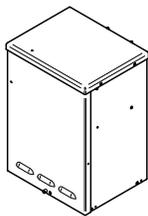
PART NUMBER	DESCRIPTION	QTY
740-749-21	Kit, Pedestal Mount, Micro Series, White	1

## OPTIONAL BYPASS KIT -SELECT ONE BASED ON INPUT VOLTAGE\*\*\*

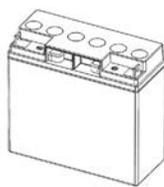
PART NUMBER	DESCRIPTION	QTY
740-754-21	Kit, Universal Automatic Transfer Switch, 120V with Accessory Box, Micro Series	1
740-753-22	Kit, Accessory Box, Micro series without Bypass Switch	1
020-165-31	Fail Safe Universal Automatic/Manual Transfer Switch, 230VAC, 16A	1

\*\*\* Wiring from UATS to Micro UPS not provided

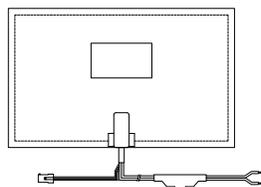
Micro 1000



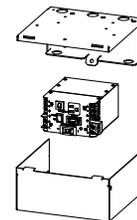
17Ah Battery



M Type Battery Heating Mat



Universal Automatic Transfer Switch, with Accessory Box, installed in the field



# MICRO 1000XL UPS SYSTEM

## UPS & ENCLOSURE - SELECT ONE BASED ON INPUT VOLTAGE

PART NUMBER	DESCRIPTION	QTY
017-239-49	Micro 1000XL, 120VAC 60Hz, Hardwired Input/Output, 1000VA/W, 48VDC Battery Bus, with SNMP Card, Type 3R Cabinet	1
017-240-80	Micro 1000XL, 230VAC 50Hz, Hardwired Input/Output, 1000VA/W, 48VDC Battery Bus, with SNMP Card, Type 3R Cabinet	1

## BATTERY & CABLE KIT -SELECT 1 BATTERY OPTION BASED ON REQUIRED RUNTIME

PART NUMBER	DESCRIPTION	QTY
181-013-10	Battery, 12V, 34Ah, Standard Life General Purpose VRLA AGM Battery (AGM)	4
870-640-21	Battery Cable Kit, Micro XL, 48VDC, ¼" ring lug	1
1810226	AlphaCell® 100XTV Battery, 12V 56Ah, Top M6-Fem Term	4
870-640-21	Battery Cable Kit, Micro XL, 48VDC, ¼" ring lug	1

## BATTERY HEATER MAT - SELECT ONE BASED ON INPUT VOLTAGE

PART NUMBER	DESCRIPTION	QTY
189-223-20	Battery Heater Mat 120VAC Unit, M Type***	1
189-224-10	Battery Heater Mat 120VAC Unit, D Type	1
189-225-20	Battery Heater Mat 230VAC Unit, M Type***	1
189-226-10	Battery Heater Mat 230VAC Unit, D Type	1

## OPTIONAL PEDESTAL KIT

PART NUMBER	DESCRIPTION	QTY
740-749-21	Kit, Pedestal Mount, Micro Series, White	1

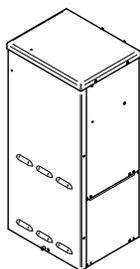
## OPTIONAL BYPASS KIT -SELECT ONE BASED ON INPUT VOLTAGE\*\*\*

PART NUMBER	DESCRIPTION	QTY
740-754-21	Kit, Universal Automatic Transfer Switch, 120V with Accessory Box, Micro Series	1
740-753-22	Kit, Accessory Box, Micro series, without Bypass Switch	1
020-165-31	Fail Safe Universal Automatic/Manual Transfer Switch, 230VAC, 16A	1

\*\*D type heater mat required as well

\*\*\*Wiring from UATS to Micro UPS not provided

Micro 1000XL



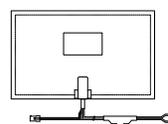
34Ah Battery



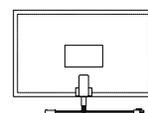
100XTV Battery



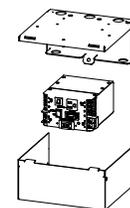
M Type Battery Heating Matt



D Type Battery Heating Matt



Universal Automatic Transfer Switch, with Accessory Box, installed in the field



CONNECT WITH US AT [WWW.ENERSYS.COM/REQUEST-A-QUOTE](http://WWW.ENERSYS.COM/REQUEST-A-QUOTE)



# MICRO 1000XL3 UPS SYSTEM

## UPS & ENCLOSURE - SELECT ONE BASED ON INPUT VOLTAGE

PART NUMBER	DESCRIPTION	QTY
017-239-49	Micro 1000XL, 120VAC 60Hz, Hardwired Input/Output, 1000VA/W, 48VDC Battery Bus, with SNMP Card, Type 3R Cabinet	1
740-729-23	Kit, XL3 Add-on, Micro XL to XL3, White*	1
017-240-80	Micro 1000XL, 230VAC 50Hz, Hardwired Input/Output, 1000VA/W, 48VDC Battery Bus, with SNMP Card, Type 3R Cabinet	1
740-729-23	Kit, XL3 Add-on, Micro XL to XL3, White*	1

## BATTERY & CABLE KIT -SELECT 1 OPTION BASED ON REQUIRED RUNTIME

PART NUMBER	DESCRIPTION	QTY
1810227	AlphaCell® 150XTV Battery, 12V 80Ah, Top M6-Fem Term	4
870-602-29	Battery Cable Kit, XL3, 24 or 48VDC, ¼" ring lug	1
1810228	AlphaCell® 195XTV Battery, 12V 100Ah, Top M6-Fem Term	4
870-602-29	Battery Cable Kit, XL3, 24 or 48VDC, ¼" ring lug	1

## BATTERY HEATER MAT - SELECT ONE BASED ON INPUT VOLTAGE

PART NUMBER	DESCRIPTION	QTY
189-223-20	Battery Heater Mat 120VAC Unit, M Type**	1
189-224-10	Battery Heater Mat 120VAC Unit, D Type	3
189-225-20	Battery Heater Mat 230VAC Unit, M Type**	1
189-226-10	Battery Heater Mat 230VAC Unit, D Type	3

## OPTIONAL BYPASS KIT -SELECT ONE BASED ON INPUT VOLTAGE\*\*\*

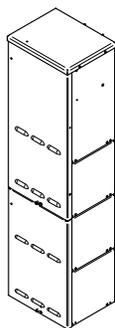
PART NUMBER	DESCRIPTION	QTY
740-754-21	Kit, Universal Automatic Transfer Switch, 120V with Accessory Box, Micro Series	1
740-753-22	Kit, Accessory Box, Micro series, without Bypass Switch	1
020-165-31	Fail Safe Universal Automatic/Manual Transfer Switch, 230VAC, 16A	1

\* Installed in the field

\*\*D type heater mat required as well

\*\*\*Wiring from UATS to Micro UPS not provided

Micro 1000XL3



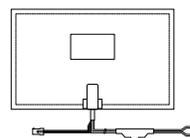
150XTV Battery



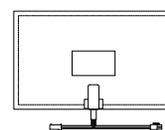
100XTV Battery



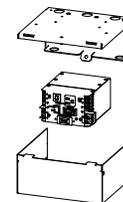
M Type Battery Heating Matt



D Type Battery Heating Matt



Universal Automatic Transfer Switch, with Accessory Box, installed in the field



CONNECT WITH US AT [WWW.ENERSYS.COM/REQUEST-A-QUOTE](http://WWW.ENERSYS.COM/REQUEST-A-QUOTE)



**EnerSys World Headquarters**

2366 Bernville Road  
Reading, PA 19605 USA  
Tel +1-610-208-1991  
+1-800-538-3627

**EnerSys EMEA**

EH Europe GmbH  
Baarerstrasse 18  
6300 Zug Switzerland  
Tel: +41 44 215 7410

**EnerSys Asia**

152 Beach Road  
Gateway East Building #11-08  
Singapore 189721  
Tel: +65 6416 4800