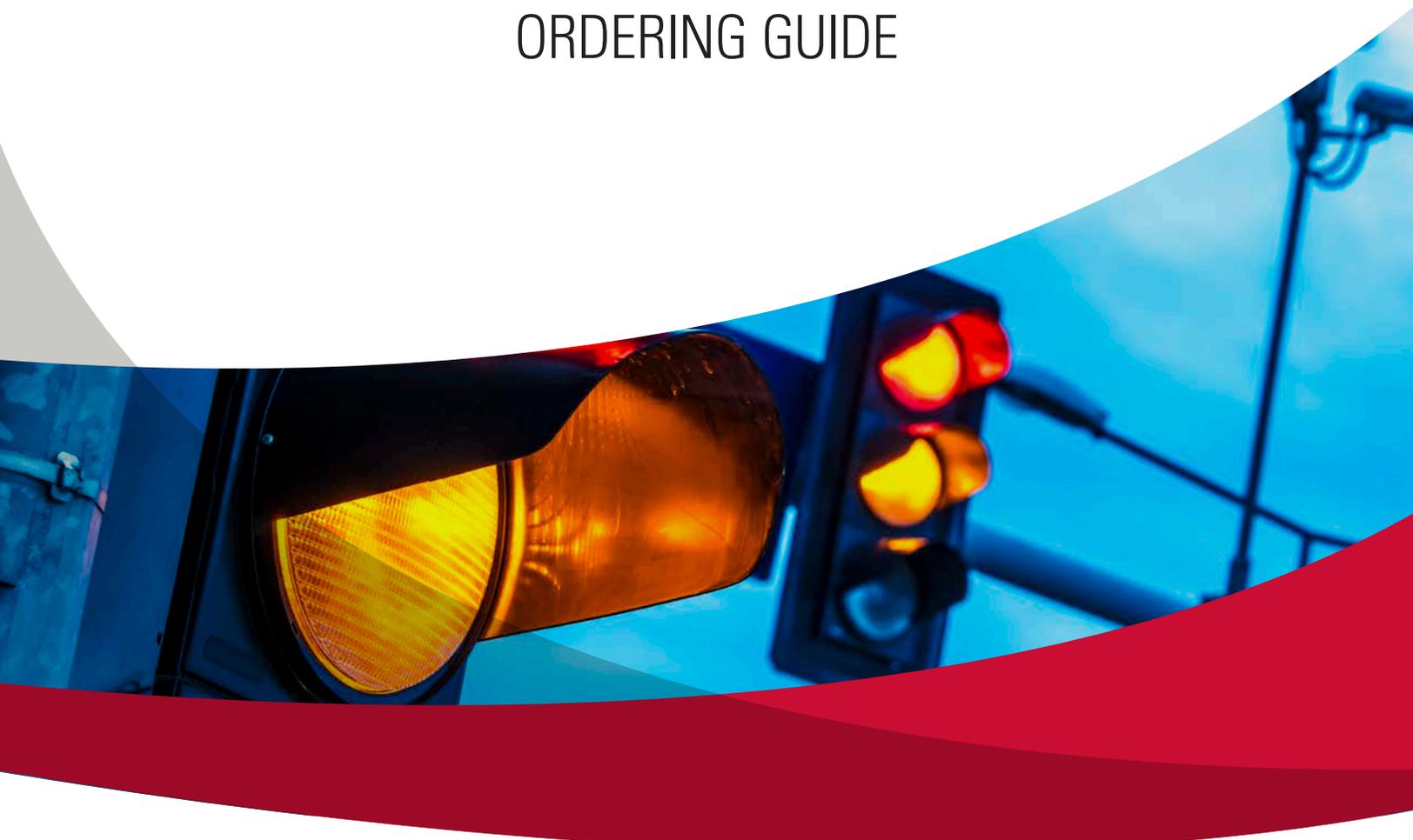


MICRO 350 RUGGED UPS SYSTEM

ORDERING GUIDE



MICRO 350 RUGGED UPS SYSTEM ORDERING GUIDE

SYSTEM INFORMATION

- 120VAC OR 230VAC INPUT/OUTPUT*
- 24VAC OUTPUT AVAILABLE AS WELL
- 350W COMBINED TOTAL (240W MAX FOR 24VAC)

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
- FIXED WIRELESS
- WISP
- TELEMETRY EQUIPMENT
- AC SMALL CELL
- WAP
- FTTX

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 350 uninterruptible power supply (UPS) offers a scalable design with a power module and 3 enclosure sizes to meet your long runtime requirements. Dual outputs of 120/24VAC or 230/24VAC offers an unsurpassed flexibility. Micro XL3 can house up to 4 x 100Ah batteries which can provide more than 9 hours runtime at full load of 350W. 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

350-24 BATTERY RUNTIME AND ENCLOSURE SIZING					
AC LOAD	30 MINUTES	1 HOUR	2 HOURS	4 HOURS	8 HOURS
75W	2 x 17Ah	2 x 17Ah	2 x 17Ah	2 x 34Ah	2 x 56Ah
150W	2 x 17Ah	2 x 17Ah	2 x 34Ah	2 x 56Ah	2 x 80Ah
225W	2 x 17Ah	2 x 17Ah	2 x 34Ah	2 x 56Ah	2 x 100Ah
300W	2 x 17Ah	2 x 34Ah	2 x 56Ah	2 x 100Ah	4 x 80Ah
350W	2 x 17Ah	2 x 34Ah	2 x 56Ah	2 x 100Ah	4 x 80Ah

350-48 BATTERY RUNTIME AND ENCLOSURE SIZING					
AC LOAD	30 MINUTES	1 HOUR	2 HOURS	4 HOURS	8 HOURS
75W	4 x 17Ah	4 x 17Ah	4 x 17Ah	4 x 17Ah	4 x 17Ah
150W	4 x 17Ah	4 x 17Ah	4 x 17Ah	4 x 17Ah	4 x 34Ah
225W	4 x 17Ah	4 x 17Ah	4 x 17Ah	4 x 34Ah	4 x 56Ah
300W	4 x 17Ah	4 x 17Ah	4 x 17Ah	4 x 34Ah	4 x 80Ah
350W	4 x 17Ah	4 x 17Ah	4 x 34Ah	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

MICRO CABINET 2 X 17Ah 2 X 34Ah 2 X 56Ah 4 X 17Ah	MICRO XL CABINET* 2 X 80Ah 2 X 100Ah 4 X 34Ah 4 X 56Ah	MICRO XL3 CABINET* 4 X 80Ah 4 X 100Ah
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* Can house max Case 27 battery per shelf



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MICRO 350-24 UPS SYSTEM

UPS & ENCLOSURE - SELECT ONE BASED ON INPUT VOLTAGE

PART NUMBER	DESCRIPTION	QTY
017-243-28	Micro 350, 120VAC 60Hz, Hardwired Input, 24/120VAC 60Hz, Hardwired Output, 350VA/W, 24VDC Battery Bus, with SNMP Card, Type 3R Cabinet, White, with extra dry/user input panel & door switch	1
017-243-82	Micro 350, 120VAC 60Hz, Hardwired I/P, 24/120VAC 60Hz, Hardwired O/P, 350VA/W, 24VDC Battery Bus, 2 Dry Contact & User I/P, with SNMP Card, Type 3R Cabinet, White, with 1RU blank plate on top	1
017-243-54	Micro 350, 230VAC 50Hz, Hardwired Input, 24/230VAC 50Hz, Hardwired Output, 350VA/W, 24VDC Battery Bus, with SNMP Card, Type 3R Cabinet, White, with extra dry/user input panel & door switch	1
017-243-86	Micro 350, 230VAC 50Hz, Hardwired I/P, 24/230VAC 50Hz, Hardwired O/P, 350VA/W, 24VDC Battery Bus, 2 Dry Cont, act & User I/P, with SNMP Card, Type 3R Cabinet, White, with 1RU blank plate on top	1

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

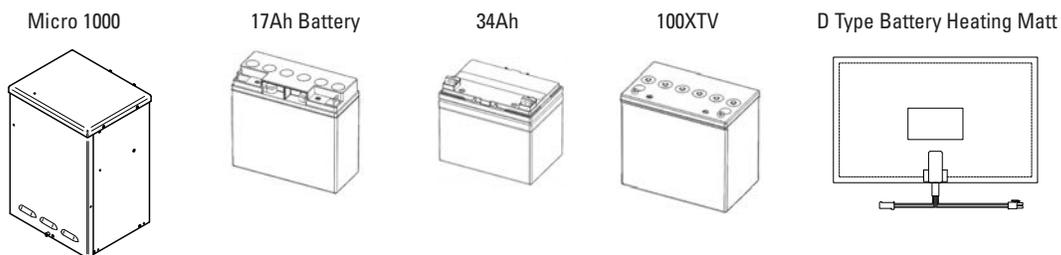
PART NUMBER	DESCRIPTION	QTY
181-025-10	Battery, 12V, 17Ah, Standard Life General Purpose VRLA (AGM), Top Terminal	2
8700147-001	Battery Cable Kit, Micro 350, 24/48VDC, #10 ring lugs	1
181-013-10	Battery, 12V, 34Ah, Standard Life General Purpose VRLA AGM Battery (AGM)	2
7400228-001	Battery Cable Kit, FXM350, 24VDC, ¼" ring lugs	1
1810226	AlphaCell® 100XTV Battery, 12V 56Ah, Top M6-Fem Term	2
7400228-001	Battery Cable Kit, FXM350, 24VDC, ¼" ring lugs	1

BATTERY HEATER MAT - SELECT ONE OPTION BASED ON INPUT VOLTAGE

PART NUMBER	DESCRIPTION	QTY
189-224-10	Battery Heater Mat 120VAC Unit, D 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



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MICRO 350-24 XL UPS SYSTEM

UPS & ENCLOSURE - SELECT ONE BASED ON INPUT VOLTAGE

PART NUMBER	DESCRIPTION	QTY
017-243-37	Micro 350XL, 120VAC 60Hz, Hardwired Input, 24/120VAC 60Hz, Hardwired Output, 350VA/W, 24VDC Battery Bus, with SNMP Card, Type 3R Cabinet, White, with extra dry/user input panel & door switch	1
017-243-84	Micro 350XL, 120VAC 60Hz, Hardwired I/P, 24/120VAC 60Hz, Hardwired O/P, 350VA/W, 24VDC Battery Bus, 2 Dry Contact & User I/P, with SNMP Card, Type 3R Cabinet, White, with 1RU blank plate on top	1
017-243-55	Micro 350XL, 230VAC 50Hz, Hardwired Input, 24/230VAC 50Hz, Hardwired Output, 350VA/W, 24VDC Battery Bus, with SNMP Card, Type 3R Cabinet, White, with extra dry/user input panel & door switch	1
017-243-87	Micro 350XL, 230VAC Hardwired I/P, 24/230VAC Hardwired O/P, 350VA/W, 24VDC Battery Bus, 2 Dry Contact & User I/P, with SNMP Card, Type 3R Cabinet, White, with 1RU blank plate on top	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	2
7400228-001	Battery Cable Kit, FXM350, 24VDC, ¼" ring lugs	1
1810228	AlphaCell® 195XTV Battery, 12V 100Ah, Top M6-Fem Term	2
7400228-001	Battery Cable Kit, FXM350, 24VDC, ¼" ring lugs	1

BATTERY HEATER MAT - SELECT ONE OPTION BASED ON INPUT VOLTAGE

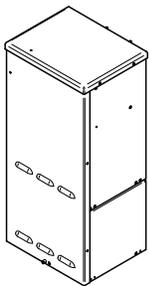
PART NUMBER	DESCRIPTION	QTY
189-223-20	Battery Heater Mat 120VAC Unit, M Type**	1
189-224-10	Battery Heater Mat 120VAC Unit, D Type	1
189-225-20	Battery Heater Mat 230VAC Unit, M Type**	1
189-226-10	Battery Heater Mat 230VAC Unit, D Type	1

OPTIONAL PEDESTAL KIT

740-749-21	Kit, Pedestal Mount, Micro Series, White	1
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**D type heater mat required as well

Micro 350-24 XL



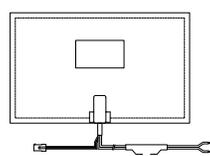
150XTV Battery



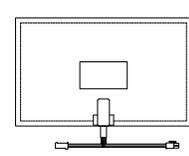
195XTV Battery



M Type Battery Heating Matt



D Type Battery Heating Matt



MICRO 350-24 XL3 UPS SYSTEM

UPS & ENCLOSURE - SELECT 1 OPTION

PART NUMBER	DESCRIPTION	QTY
017-243-37	Micro 350XL, 120VAC 60Hz, Hardwired Input, 24/120VAC 60Hz, Hardwired Output, 350VA/W, 24VDC Battery Bus, with SNMP Card, Type 3R Cabinet, White, with extra dry/user input panel & door switch	1
740-729-23	Kit, XL3 Add-on, Novus Micro XL to XL3, White*	
017-243-84	Micro 350XL, 120VAC 60Hz, Hardwired I/P, 24/120VAC 60Hz, Hardwired O/P, 350VA/W, 24VDC Battery Bus, 2 Dry Contact & User I/P, with SNMP Card, Type 3R Cabinet, White, with 1RU blank plate on top	1
740-729-23	Kit, XL3 Add-on, Novus Micro XL to XL3, White*	
017-243-55	Micro 350XL, 230VAC 50Hz, Hardwired Input, 24/230VAC 50Hz, Hardwired Output, 350VA/W, 24VDC Battery Bus, with SNMP Card, Type 3R Cabinet, White, with extra dry/user input panel & door switch	1
740-729-23	Kit, XL3 Add-on, Novus Micro XL to XL3, White*	
017-243-87	Micro 350XL, 230VAC Hardwired I/P, 24/230VAC Hardwired O/P, 350VA/W, 24VDC Battery Bus, 2 Dry Contact & User I/P, with SNMP Card, Type 3R Cabinet, White, with 1RU blank plate on top	1
740-729-23	Kit, XL3 Add-on, Novus Micro XL to XL3, White*	

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
8700556-001	Kit, Battery Cable, Micro 350XL3, 24/48VDC, ¼" ring lugs	1
1810228	AlphaCell® 195XTV Battery, 12V 100Ah, Top M6-Fem Term	4
8700556-001	Kit, Battery Cable, Micro 350XL3, 24/48VDC, ¼" ring lugs	1

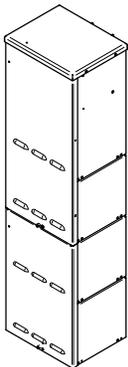
BATTERY HEATER MAT

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	4

* Installed in the field

**D type heater mat required as well

Micro 350-48 XL3



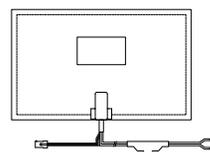
150XTV Battery



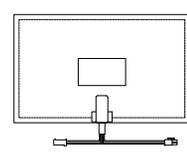
195XTV Battery



M Type Battery Heating Matt



D Type Battery Heating Matt



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MICRO 350-48 UPS SYSTEM

UPS & ENCLOSURE - SELECT 1 OPTION

PART NUMBER	DESCRIPTION	QTY
017-243-22	Micro 350, 120VAC 60Hz, Hardwired Input, 24/120VAC 60Hz, Hardwired Output, 350VA/W, 48VDC Battery Bus, with SNMP Card, Type 3R Cabinet, White, with extra dry/user input panel & door switch	1
017-243-80	Micro 350, 120VAC 60Hz, Hardwired I/P, 24/120VAC 60Hz, Hardwired O/P, 350VA/W, 48VDC Battery Bus, 2 Dry Contact & User I/P, with SNMP Card, Type 3R Cabinet, White, with 1RU blank plate on top	1

BATTERY & CABLE KIT

PART NUMBER	DESCRIPTION	QTY
181-025-10	Battery, 12V, 17Ah, Standard Life General Purpose VRLA (AGM), Top Terminal	4
8700147-001	Battery Cable Kit, Micro 350, 24/48VDC, #10 ring lugs	1

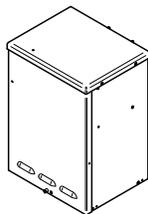
BATTERY HEATER MAT

PART NUMBER	DESCRIPTION	QTY
189-224-10	Battery Heater Mat 120VAC Unit, D Type	1

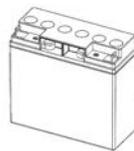
OPTIONAL PEDESTAL KIT

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

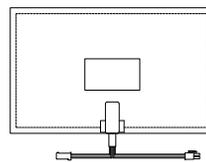
Micro 350-48



17Ah Battery



D Type Battery Heating Matt



MICRO 350-48 XL UPS SYSTEM

UPS & ENCLOSURE - SELECT 1 OPTION

PART NUMBER	DESCRIPTION	QTY
017-243-23	Micro 350XL, 120VAC 60Hz, Hardwired Input, 24/120VAC 60Hz, Hardwired Output, 350VA/W, 48VDC Battery Bus, with SNMP Card, Type 3R Cabinet, White, with extra dry/user input panel & door switch	1
017-243-81	Micro 350XL, 120VAC 60Hz, Hardwired I/P, 24/120VAC 60Hz, Hardwired O/P, 350VA/W, 48VDC Battery Bus, 2 Dry Contact & User I/P, with SNMP Card, Type 3R Cabinet, White, with 1RU blank plate on top	1

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

PART NUMBER	DESCRIPTION	QTY
181-013-10	Battery, 12V, 34Ah, Standard Life General Purpose VRLA AGM Battery (AGM)	4
8700146-001	Battery Cable Kit, FXM350, 48VDC, ¼" ring lugs	1
1810226	AlphaCell® 100XTV Battery, 12V 56Ah, Top M6-Fem Term	4
8700146-001	Battery Cable Kit, FXM350, 48VDC, ¼" ring lugs	1

BATTERY HEATER MAT

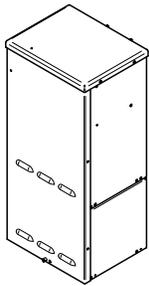
PART NUMBER	DESCRIPTION	QTY
189-223-20	Battery Heater Mat 120VAC Unit, M Type**	1
189-224-10	Battery Heater Mat 120VAC Unit, D Type	1

OPTIONAL PEDESTAL KIT

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

**D type heater mat required as well

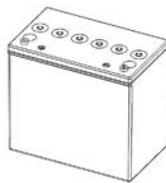
Micro 350-48 XL



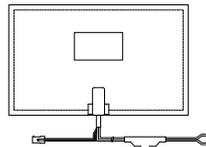
34Ah Battery



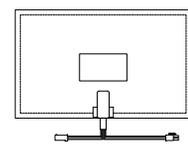
100XTV Battery



M Type Battery Heating Matt



D Type Battery Heating Matt



MICRO 350-48 XL3 UPS SYSTEM

UPS & ENCLOSURE - SELECT 1 OPTION

PART NUMBER	DESCRIPTION	QTY
017-243-23	Micro 350XL, 120VAC 60Hz, Hardwired Input, 24/120VAC 60Hz, Hardwired Output, 350VA/W, 48VDC Battery Bus, with SNMP Card, Type 3R Cabinet, White, with extra dry/user input panel & door switch	1
740-729-23	Kit, XL3 Add-on, Novus Micro XL to XL3, White*	1
017-243-81	Micro 350XL, 120VAC 60Hz, Hardwired I/P, 24/120VAC 60Hz, Hardwired O/P, 350VA/W, 48VDC Battery Bus, 2 Dry Contact and User I/P, with SNMP Card, Type 3R Cabinet, White, with 1RU blank plate on top	1
740-729-23	Kit, XL3 Add-on, Novus 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
8700556-001	Kit, Battery Cable, Micro 350XL3, 24/48VDC, ¼" ring lugs	1
1810228	AlphaCell® 195XTV Battery, 12V 100Ah, Top M6-Fem Term	4
8700556-001	Kit, Battery Cable, Micro 350XL3, 24/48VDC, ¼" ring lugs	1

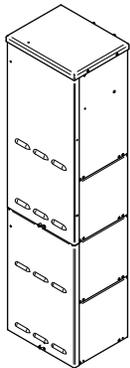
BATTERY HEATER MAT

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

* Installed in the field

**D type heater mat required as well

Micro 350-48 XL3



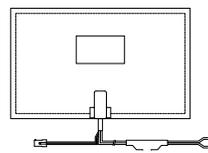
150XTV Battery



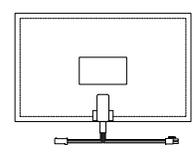
195XTV Battery



M Type Battery Heating Matt



D Type Battery Heating Matt



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