



an EnerSys® company

# CXPS-MPS

## Mobile Power System



- Mobile power system with capacity up to 1000A @ 48VDC for use within critical facilities
- Used as a temporary “swing” plant by installation vendors while transitioning legacy DC power systems
- Utilized as a portable power plant by local and field operations during emergency restorations
- 4kW rectifier provides the capability to utilize one rectifier for multiple AC services (208VAC, 240VAC, 480/277VAC both 1Ph & 3Ph).
- Local and remote display of system parameters (voltage, current, etc)

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### **Alpha’s MPS is a small portable power DC plant. With a capacity of up to 1000A @ 48VDC it could be used in a multitude of applications.**

It could be used as a temporary “swing” plant by installation vendors while transitioning loads to a new DC plant. The MPS’s light weight (250lbs w/o rectifier) makes it an ideal candidate to be utilized by local field and operations teams as an emergency system during restoration efforts.

The 4kW rectifier provides the system with the unique capability of having a single module serve a host of AC services (208VAC, 240VAC, 480/277VAC both 1Ph & 3Ph). The 12kW rectifier provides system support for 480VAC 3PH delta AC services.

In addition, the integrated CXC HP controller platform provides the user with both local and remote display of all system parameters including AC & DC voltages, rectifier currents etc.

# CXPS-MPS Mobile Power System

| Ordering Information      |   |                            |                            |                            |
|---------------------------|---|----------------------------|----------------------------|----------------------------|
| P/N                       | Description   |                            |                            |                            |
| 0541124-001               | CXPS-MPS, 1000A, Mobile Power System, 208-277VAC Single Phase, 2 Wire + G           |                            |                            |                            |
| 0541124-002               | CXPS-MPS, 1000A, Mobile Power System, 208VAC Three Phase, 3 Wire + G                |                            |                            |                            |
| 0541124-003               | CXPS-MPS, 1000A, Mobile Power System, 480/277VAC Three Phase, 3 Wire + N + G        |                            |                            |                            |
| 0541124-004               | CXPS-MPS, 880A, Mobile Power System, 480VAC Three Phase, 3 Wire + G                 |                            |                            |                            |
| Accessories               |   |                            |                            |                            |
| P/N                       | Description   |                            |                            |                            |
| 010-623-20-040            | Cordex HP 48V-4.0kW 208-277VAC Rectifier Module                                     |                            |                            |                            |
| 0100020-001               | Cordex HP 48V-12.0kW 480VAC Rectifier Module  |                            |                            |                            |
| 877-176-31                | CAN Communications Cable OffSet, 100 feet   |                            |                            |                            |
| 0180039-002               | Cordex CXC HP L-ADIO I/O Peripheral; Standalone                                     |                            |                            |                            |
| Nominal Specifications    |   |                            |                            |                            |
| P/N                       | 0541124-001   | 0541124-002                | 0541124-003                | 0541124-004                |
| Rectifier                 | 4kW   |                            |                            | 12kW                       |
| Electrical                |   |                            |                            |                            |
| AC Input Voltage          | 208-277VAC 2 Wire + G   | 208VAC 3 Wire + G          | 480/277 3 Wire + N + G     | 480VAC 3 Wire + G          |
| AC Input Breaker          | 12x 30A Single Pole Breakers  | 4x 50A Three Pole Breakers | 4x 30A Three Pole Breakers | 4x 30A Three Pole Breakers |
| DC Output Capacity        | 1000A (48VDC)   | 1000A (48VDC)              | 1000A (48VDC)              | 880A (48VDC)               |
| Nominal DC Output Voltage | 48VDC   |                            |                            |                            |
| Connections               |   |                            |                            |                            |
| AC Input                  | #14-6AWG  |                            |                            |                            |
| DC Output                 | 2x 3/8" diameter on 1" centers (captive nuts)                                       |                            |                            |                            |
| Mechanical                |   |                            |                            |                            |
| Mounting                  | Through hole bolting  |                            |                            |                            |
| Dimensions                | 47.75H x 25.50W x 23.25D (includes handle)<br>42.00H x 25.50W x 23.25D (w/o handle) |                            |                            |                            |
| Weight (w/o rectifiers)   | 250lbs (113kg)  |                            |                            |                            |
| Controls                  |   |                            |                            |                            |
| Monitor                   | CXC HP Controller   |                            |                            |                            |
| LED Indicators            | System OK (Green)<br>General Alert (Yellow)<br>General Alarm (Red)                  |                            |                            |                            |
| Environmental             |   |                            |                            |                            |
| Temperature               | 0 to 40°C (32 to 104°F)   |                            |                            |                            |
| Humidity                  | 0-95% Non-Condensing  |                            |                            |                            |



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