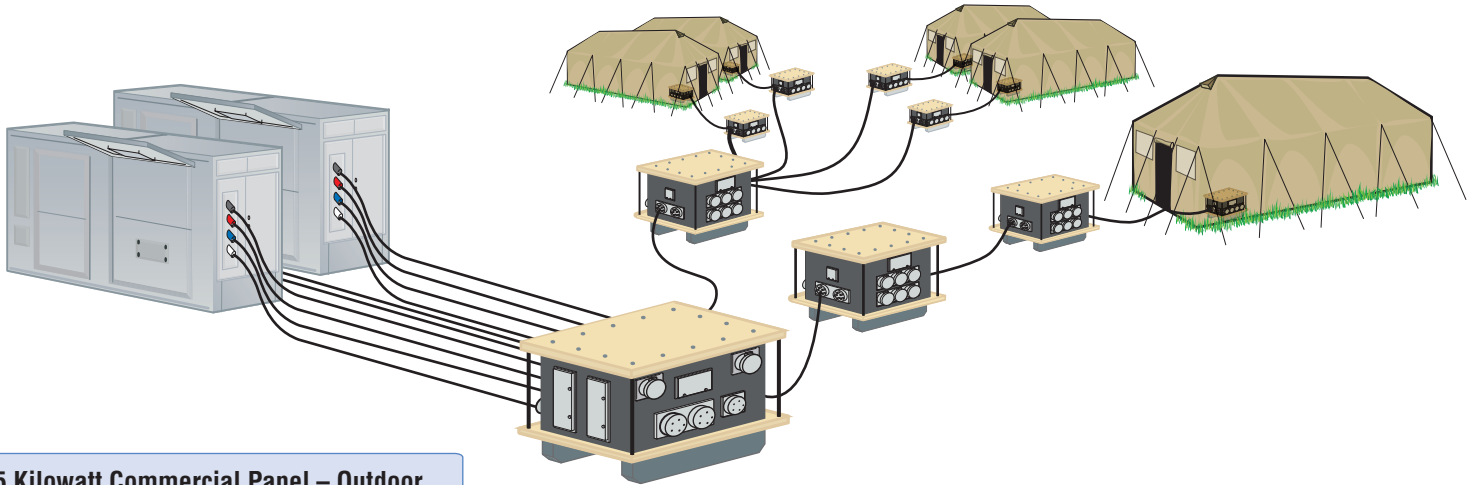




## Commercial Based USMC MEPDIS-R System

### Mobile Electric Power Distribution System - Replacement



#### 5 Kilowatt Commercial Panel – Outdoor

**Input:** Circuit Breaker Protection  
5 wire, 3-phase, 30 amp Pin & Sleeve

**Output:** Pin and Sleeve Receptacles  
6 each: 3 wire, 1-phase, 20 amps  
3 each: 3 wire, 1-phase, 30 amps

**Cords:** 6 each: cord sets, 50 ft. each in length with 4 each, 5-15R receptacles  
3 each: 30A Single Phase Plugs

#### 5 Kilowatt Commercial Panel – Indoor – GFCI Protected

**Input:** Circuit Breaker Protection  
5 wire, 3-phase, 30 amp Pin & Sleeve

**Output:** 9 each: 3 wire, 1-phase, 120 VAC  
20A GFCI Duplex Receptacles

**Cords:** 6 each: cord sets, 50 ft. each in length with 4 each, 5-15R receptacles

#### 15 Kilowatt Commercial Panel

**Input:** Circuit Breaker Protection  
2 each: 5 wire, 3-phase,  
60 amp Pin & Sleeve

**Output:** Circuit Breaker Protection  
4 each: 5 wire, 3-phase,  
30 amp Pin & Sleeve  
4 each: 3 wire, 1-phase,  
20 amp Pin & Sleeve  
1 each: 3 wire, 1-phase, 120 VAC  
20A GFCI Duplex Receptacle

#### 30 Kilowatt Commercial Panel

**Input:** Circuit Breaker Protection  
2 each: 5 wire, 3-phase, 100 amp Pin & Sleeve

**Output:** Circuit Breaker Protection  
4 each: 5 wire, 3-phase, 60 amp Pin & Sleeve  
2 each: 5 wire, 3-phase, 30 amp Pin & Sleeve  
2 each: 5 wire, 3-phase, 20 amp Pin & Sleeve  
2 each: 3 wire, 1-phase, 20 amp Pin & Sleeve  
1 each: 3 wire, 1-phase, 120 VAC 20A GFCI  
Duplex Receptacle

#### 100 Kilowatt Commercial Panel

**Input:** Cam Type, 5 wire  
2 each: 400 amp switch

**Output:** Circuit Breaker Protection  
1 each: Cam Type, 200 Amp, 5 wire connection  
4 each: 5 wire, 3-phase, 100 amp Pin & Sleeve  
2 each: 5 wire, 3-phase, 60 amp Pin & Sleeve  
2 each: 5 wire, 3-phase, 30 amp Pin & Sleeve  
2 each: 5 wire, 3-phase, 20 amp Pin & Sleeve  
2 each: 3 wire, 1-phase, 20 amp Pin & Sleeve  
1 each: 3 wire, 1-phase, 120 VAC 20A GFCI  
Duplex Receptacle

#### 300 Kilowatt Commercial Panel

**Input:** Cam Type, 5 wire  
3 each: 400 amp switch

**Output:** Circuit Breaker Protection  
2 each: Cam Type,  
400 Amp, 5 wire connection  
2 each: 5 wire, 3-phase,  
100 amp Pin & Sleeve  
1 each: 3 wire, 1-phase, 120  
VAC 20A GFCI Duplex  
Receptacle

The US Marine Corps' Mobile Electric Power Distribution System – Replacement (MEPDIS-R) is manufactured by Lex Products Corp. – Military Power Systems Division (LEX-MPS). MEPDIS-R is a commercial-based modular component system of portable power distribution boxes and interconnecting power cables, capable of being configured in various ways to address the power requirements of the size of the unit to which they are deployed. The system includes a series of cable adapters enabling the integration of legacy assets with next generation components. In addition, since the cable assembly package also includes pig tail sets of power input cables, the individual power distribution boxes can be energized either directly from the power source or from larger boxes up stream.

## US Marine Corps - Mobile Electric Power Distribution Replacement System (MEPDIS-R)

Below is a Table of the MEPDIS-R Components and How they are Integrated:

Part #	NSN	Description	How Incorporated
<b>DB350MA-P2WQS3</b>	6110-01-532-1776	300KW BOX	Can be directly fed by 3 synchronized, 400 Amp, 3 phase, external power sources, either independently or simultaneously. The 400 Amp, 3 phase outputs can be used to feed additional equipment, or up to 2 100K MEPDIS-R Boxes and/or 2 100 Amp 3 Phase 30K MEPDIS-R boxes, and has (1) 20AMP GFCI Duplex Receptacle.
<b>DB350MA-P2WAS3</b>	6110-01-532-1835	100KW BOX	Can be directly fed from 300K MEPDIS-R Box, or directly from up to 2 synchronized, 400 Amp 3 Phase external power sources, either independently or simultaneously. The 200 Amp 3 Phase 100 K MEPDIS-R Box will feed (1) 200 Amp output; up to (4) 100 Amp 3 phase 30K MEPDIS-R Boxes; up to (2) 60 Amp 3 phase 15K MEPDIS-R Boxes; up to (2) 30 Amp 3 Phase 5K MEPDIS-R Boxes; up to (2) 3 phase 20 Amp Outlets; up to (2) 20 Amp single phase 5K MEPDIS-R Outdoor Cord sets or "Y" Cords, and has (1) 20AMP GFCI Duplex Receptacle.
<b>DB100MA-P22QS3</b>	6110-01-532-1809	30KW BOX	Can be directly fed from either a 300 K MEPDIS-R Box, 100 K MEPDIS-R Box or up to (2) 100 Amp 3 Phase external power sources, independently or simultaneously. The outputs can be used to feed up to (4) 60 Amp 3 Phase 15K MEPDIS-R Boxes; up to (2) 30 Amp 3 Phase 5K boxes; up to (2) 20 Amp 3 Phase outlets; up to (2) 20 Amp Single Phase 5 K MEPDIS-R Outdoor Cord sets or "Y" Cords, and has (1) 20AMP GFCI Duplex Receptacle.
<b>DB-60MA-F22QS3</b>	6110-01-532-1764	15KW BOX	Can be directly fed from either a 100 K MEPDIS-R Box, 30 K Box, or up to (2) synchronized 60 Amp 3 Phase external power sources, independently or simultaneously. The outputs can be used to feed up to (4) 30 Amp 3 Phase 5K MEPDIS-R Boxes; and up to (4) 20 Amp Single Phase 5K MEPDIS-R Outdoor Cord Sets or "Y" Cords, has (1) 20AMP GFCI Duplex Receptacle.
<b>DB-30NA-AQQ-S3</b>	6110-01-532-1794	5KW INDOOR BOX W/ 6 CORD SETS	Can be directly fed from either a 100 K Box, 30K Box or a 15 K Box. The (9) 20 Amp single phase GFCI Duplex Receptacles can be used to feed up to (9) 5K MEPDIS-R Indoor Cord Sets or additional equipment.
<b>DB-30NA-A22-S3</b>	6110-01-532-1821	5KW OUTDOOR BOX W/ 6 CORD SETS and 3 SPARE PLUGS	Can be directly fed from either a 100 K MEPDIS-R Box, 30K MEPDIS-R Box or a 15 K MEPDIS-R Box. The ouputs can feed up to (6) 20 Amp Single Phase 5K MEPDIS-R Cord Sets or "Y" cords, and up to 3 single phase 30 Amp receptacles.
<b>FS60P5W-25</b>	6150-01-529-7900	25' 400A (5) Wire Feeder Set	Used to feed 300K or 100K MEPDIS MEPDIS-R Boxes.
<b>TL4/5PF-50-510</b>	6150-01-529-8803	50' 100A INPUT CABLE PIGTAIL 30KW	Used to feed 30K MEPDIS-R Box directly from power source.
<b>PE4/5P-50-510</b>	6150-01-529-8806	50' 100A CABLE JUMP 100KW-30KW	Used to feed 30K MEPDIS-R Box from 300K or 100K MEPDIS Boxes.
<b>ADPMIL-5100</b>	6150-01-529-7698	Adapter, 100A Mil Spec - Commercial	Used to adapt from legacy assets to MEPDIS-R.
<b>ADP510-MIL</b>	6150-01-529-8424	Adapter, 100A Commercial - Mil Spec	Used to adapt from MEPDIS-R to legacy assets.
<b>TL6/5PF-50-560</b>	6150-01-529-7368	50' 60A INPUT CABLE PIGTAIL 15KW	Used to feed 15K MEPDIS-R Box directly from power source.
<b>PE6/5P-50-560</b>	6150-01-529-7674	50' 60A CABLE JUMP 30KW-15KW	Used to feed 15K MEPDIS-R Box directly from 100K or 30K MEPDIS-R Boxes.
<b>ADPMIL-560</b>	6150-01-529-8063	Adapter, 60A Mil Spec - Commercial	Used to adapt from legacy assets to MEPDIS-R.
<b>ADP560-MIL</b>	6150-01-529-7908	Adapter, 60A Commercial - Mil Spec	Used to adapt from MEPDIS-R to legacy assets.
<b>PE105SE-50-530</b>	6150-01-529-8428	50' 30A CABLE JUMP 15KW-5KW	Used to feed 5k MEPDIS-R Box from 15K, 30K or 100K MEPDIS-R Boxes.
<b>CR-11</b>	8130-01-534-3072	Small Cable Reel - Aluminum	Used to store 60A Pigtail, 30A Extension or 60A Extension
<b>CR-22</b>	8130-01-534-3283	Large Cable Reel - Aluminum	Used to store 100A Pigtail, 100A Extension or 4/0 feeder sets
<b>KIT-SERIES16</b>	5999-01-534-6389	CAM Spare Parts/ Tools Kit	Used to Assemble 4/0 Pigtails or repair 4/0 feeder sets
<b>DB20QD50SEPS</b>	6150-01-530-7352	5KW OUTDOOR 50' CORD SET (ONLY)	Provides Dual Duplexes
<b>DB20QD50SE515W</b>	6150-01-530-1960	5KW INDOOR 50' CORD SET (ONLY)	Provides Dual Duplexes
<b>2FERQUAD-USMC</b>	6150-01-540-3519	5KW OUTDOOR "Y" CORD EXTENSION	Provides Split Duplexes