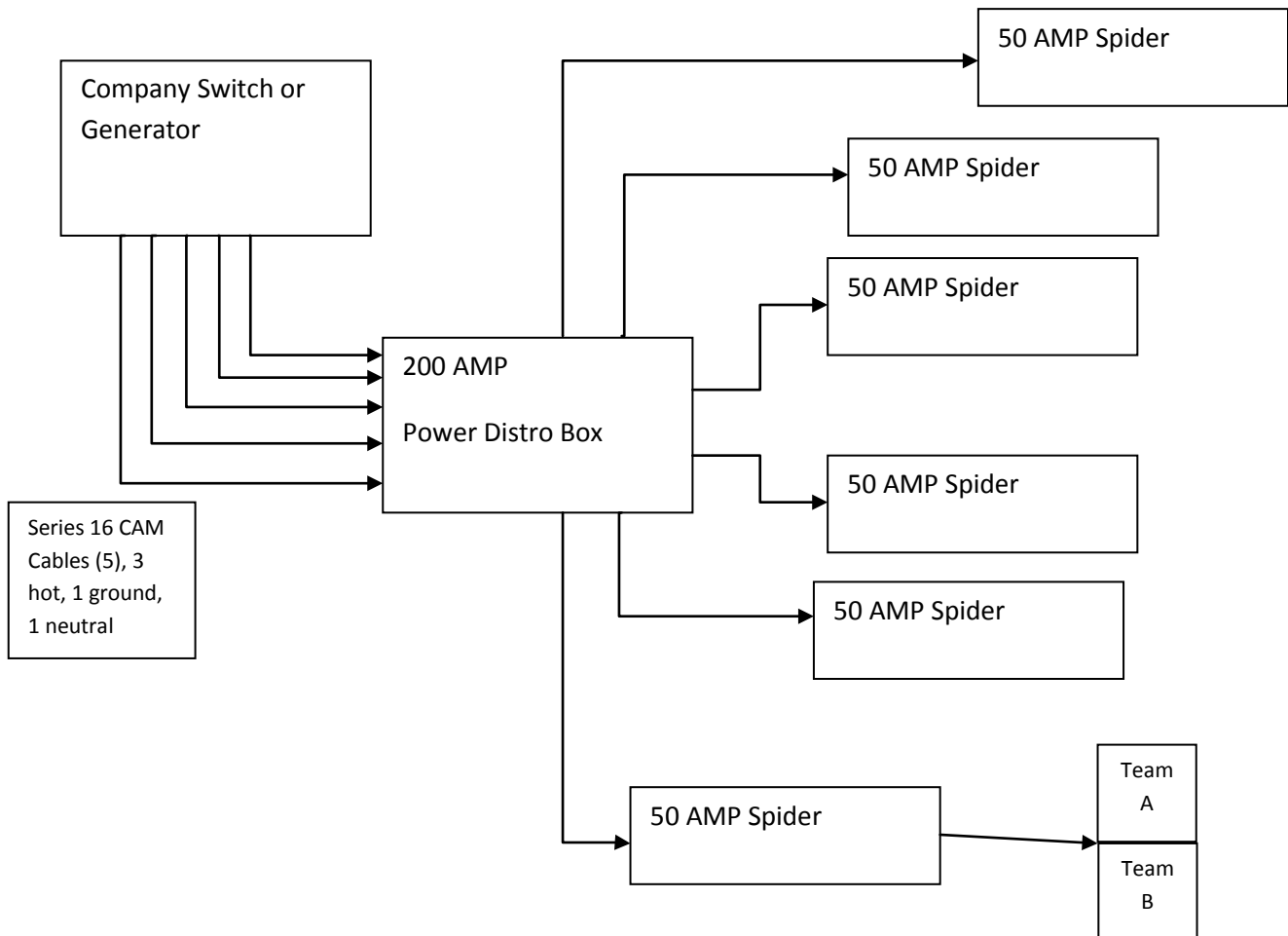


# Mid Atlantic Robotics -- Power Distribution

## Power:

- 1) We will get power delivered either from a Company switch installed in the venue or a generator connection.
  - a. Plan A: This MUST supply **200 Amp 120/208 3 phase output**.
  - b. Plan B: You can also supply **2 separate 100 AMP 120/208 3 phase outputs** but we prefer the 200 AMP. **Note: This requires the 2 - 200 amp Distro panels.**
  - c. Plan C: The venue can also provide 50 amp sockets that MAR will plug into using 50 AMP blade to California Twist Lock connectors.
  - d. Company switch(s) or generator(s) MUST have **Series 16 CAM female connectors**.
- 2) This will feed (up to 200 feet) with five - series 16 CAM cables into (Plan A) a 200 Amp Distro Box or (Plan B) 2 - 200 Amp Distro Boxes each only getting 100 AMP .
- 3) The main distro box(s) will have California type twist locks to feed 50 amp distro spiders. These will drop 50 Amp into an area in the pit very close to a group of teams.
- 4) From the 50 Amp distro spider we feed with heavy duty (12 gauge) extension cords to a pair of teams. Each Extension has a fitted molded end with a 3 plug adapter. Two teams share these.



## Mid Atlantic Robotics -- Power Distribution

### 200 Amp Distribution Box (Price: \$1,510 from StarLite Productions)

LEX 200A Portable Distro Box 1,510.00

*Input: (5) 16 Series Cam-type male devices with covers*

*Output: (6) 50A 3P 4W, 125/250VAC California style locking receptacles*

*Overcurrent Protection: (6) 50A 2-pole branch circuit rated breakers*

*Dimensions: 14" L x 14" W x 13" H*

*Weight: 35 lbs*

*Environmental Rating: Type 3R Rainproof*

*Part #DB200NP-A6S-S3*

*For use with "California Style" cables and 50A Distro box*

[http://www.lexproducts.com/cs/entertainment\\_product?id=3105&market=Entertainment&productLineId=21&subCategoryId=117](http://www.lexproducts.com/cs/entertainment_product?id=3105&market=Entertainment&productLineId=21&subCategoryId=117)



## Mid Atlantic Robotics -- Power Distribution

**LEX 50A Portable Distro Box** (Price: 975.00, we will need at least 4 of these- up to 6 will make a cleaner deliver of power. )

*Input: (1) "California Style" Locking Inlet*

*Output: (6) NEMA 5-20, 20 A, 2P3W, 125 VAC GFCI*

*duplex receptacles*

*Overcurrent Protection: (6) 20 A, 1-Pole Branch Circuit*

*Rated Breakers*

*Overall Dimensions: 9" L x 9" W x 11" H*

*Weight: 16 lbs*

*Environmental Rating: Type 3R Rainproof*

*Part #DB-50NF-BQQ-S3*

[http://www.lexproducts.com/cs/entertainment\\_product?id=911&market=Entertainment&productLineId=21&subCategoryId=115](http://www.lexproducts.com/cs/entertainment_product?id=911&market=Entertainment&productLineId=21&subCategoryId=115)



### 50 Amp Power Cables

4 LEX 50' California Style 50 Amp Locking Cable 235.00 **235.00**

*For use with DB200NP-A6S-S3 200A distro and DB-50NF-BQQ-S3 50A distro*

2 LEX 100' California Style 50 Amp Locking Cable 465.00 **465.00**

*For use with DB200NP-A6S-S3 200A distro and DB-50NF-BQQ-S3 50A distro*

## Mid Atlantic Robotics -- Power Distribution

### Power Extension Cables – May only need 10'. Showing 25'

#### 25' 3-Outlet 12/3 Extension Cord

- Cord is water and flame resistant. Lighted connector indicates when power is on. Features three outlets on a Triple Tap from one cord.
- 25 ft length 12 Gauge, SJTW, 3 prong cord features super-flexible vinyl jacket with a cold temperature rating from -58F (-50C) to +140F (+60C).
- Certified for use in the US and Canada
- Rated 15A/125V/1875W. designed for use by contractors and industrial personnel.



## Mid Atlantic Robotics -- Power Distribution

Cost Estimates:

Count	Part	Price	Extension
2	200 Amp Distribution Box	\$ 1,510.00	\$ 1,510.00
6	LEX 50A Portable Distro Box	\$ 975.00	\$ 5,850.00
2	LEX 100' California Style 50 Amp Locking Cable	\$ 465.00	\$ 930.00
4	LEX 50' California Style 50 Amp Locking Cable	\$ 235.00	\$ 940.00
6	6 ft. 12 Guage Heavy Duty Extension Cords with Edison tripple tap molded ends	\$ 25.00	\$ 150.00
12	10 ft. 12 Guage Heavy Duty Extension Cords with Edison tripple tap molded ends	\$ 25.00	\$ 300.00
12	25 ft. 12 Guage Heavy Duty Extension Cords with Edison tripple tap molded ends	\$ 45.00	\$ 540.00
2	50 ft. 12 Guage Heavy Duty Extension Cords with Edison tripple tap molded ends	\$ 70.00	\$ 140.00
0	LEX 5-WIRE CAM 2/0 SC 50FTset (banded)	\$ 1,120.00	\$ -
0	LEX 5-WIRE CAM 2/0 SC 100FTset (banded)	\$ 2,210.00	\$ -
			\$ 11,870.00