

Docksider

Power Pedestals

Rugged all-weather power supply units for Docks and Marinas

Features

BASE INCLUDES:

- Up to 3 receptacles on each side (6 total)
- Weatherproof covers available in 6 colors
- EPD or standard breakers available
- Aluminum cord and hose management
- Daylight sensing LED lighting in amber or white
- Analog water and kW meter available
- Removable body panels for easy wiring and maintenance access
- Water hook-up options
- NEMA 3R rated enclosure constructed of durable Noryl™ material
- Storm-ready, removable two-piece system



A. GENERAL

1. All materials and equipment used in the construction of the unit will conform to Underwriters Laboratories standards.
2. Unit shall be UL® listed as a complete assembly.
3. Unit shall be certified to meet all sections of NFPA® 303, Fire Protection Standards.
4. Unit shall meet 406.8 of the National Electrical Code NFPA® 70.
5. Installation is to be in accordance with local codes and approved by a local electrical inspector.
6. Country of Origin: USA

B. HOUSING AND BASE

1. Housing and base are constructed of Noryl™ with a UV resistant Polane-Plus® paint coat.
2. Pedestal base separates from top part, making it easier to set up wiring and plumbing before attaching to the upper pedestal.
3. Each unit is equipped with a hose/cable bracket.
4. Top housing is easily removed with four screws and five lugs for storage in inclement weather.

C. WIRING

1. The power pedestals shall be unitized at the factory.
2. All wiring shall be copper tinned.
3. All wiring shall have color coding as follows:
 - Black-Line 1
 - Red-Line 2
 - Blue-Line 3
 - White-Neutral
 - Green-Equipment Ground

D. RECEPTACLES, BREAKERS, AND COVERS

1. Receptacles shall be of the corrosion resistant marine twist and locking type and shall meet NEMA® L-5 and L-6 requirements (except for 20 Amp GFCI which is not intended to supply power to boats).
 - a. 20 Amp, 125 V, GFCI Duplex Receptacle (Leviton GFWR2-W)
 - b. 30 Amp, 125 V, Locking Receptacle, NEMA L5-30 (Leviton 26CM-10)
 - c. 50 Amp, 125 V, Locking Receptacle, Non-NEMA (Leviton 6370CR)
 - d. 50 Amp, 125/250 V, Locking Receptacle, Non-NEMA (Leviton 6369CR)
 - e. 100 Amp, 125/250 V, IEC-60309 Pin and Sleeve Receptacle (Leviton 4100R12WLEV)
 - f. 100 Amp, 120/208 V, IEC-60309 Pin and Sleeve Receptacle (Leviton 5100R9WLEV)
 - g. 100 Amp, 480 V, IEC-60309 Pin and Sleeve Receptacle (Leviton 4100R7WLEV)
2. All receptacles shall be mounted at least 30" above the dock.
3. 100 Amp receptacles are pin and sleeve.
4. Each receptacle shall be protected by a thermal magnetic breaker and shall be located at least 30" above the dock. Receptacles shall meet NFPA requirements.
5. Each receptacle shall have a weatherproof, spring-loaded, gasketed, self-closing Lexan® cover. The cover shall have a coil spring pre-loading to ensure proper closing pressure and to provide a sealed enclosure from the marine environment when not in use.
6. Circuit breakers for the receptacles shall have weatherproof, spring-loaded, gasketed, self-closing Lexan® covers. Breaker covers shall have a coil spring pre-loading to ensure proper closing pressure and to provide a sealed enclosure from the marine environment when not in use.
7. Receptacles and circuit breakers shall be UL approved.

E. LIGHTING

1. Each pedestal shall be equipped with a non-metered light. The light shall be an LED light that is controlled by an electromechanical photocell and is protected by a fuse.
2. The light shall provide dock illumination such that indirect lighting extends from the pedestal to the dock.
3. The light shall not be a 360 degree light, nor shall it illuminate toward the boat slip which is considered to impede boaters' navigation.

F. GROUNDING

1. The aluminum frame and all receptacles shall have an integral ground that is a part of the equipment grounding system.

G. CABLE TV/PHONE AND CAT5 (OPTIONAL)

1. If specified, pedestal shall be equipped with one or more outlets containing a standard marine grade telephone locking receptacle and one (1) male CATV connector under a weatherproof, spring-loaded, gasketed Lexan® cover.

H. TERMINAL BUS SYSTEM

1. Busbars shall be single feed or loop feed, as specified.
2. All busbars shall be mounted with 316 stainless steel mounting hardware.
3. Single Phase Bus
 - a. Line-wire range 300-4 CU/AL, torque to maximum of 200 inch-pounds.
 - b. Load-wire range 6-14 CU/AL, torque to maximum of 35 inch-pounds.
4. Single Phase Loop Bus
 - a. Line-wire range (2) 300-4 CU/AL, torque to maximum of 275 inch-pounds.
 - b. Load-wire range 4-6 CU/AL, torque to maximum of 35 inch-pounds, wire range 10-12 CU/AL, torque to maximum of 20 inch-pounds. Rated for 570A/600V.
5. Single Phase Loop Studded Bus
 - a. Line-3/8-16 stud, torque to maximum of 200 inch-pounds.
 - b. Load-(2) 1/4 – 20 stud, torque to maximum of 50 inch-pounds.
6. Three Phase Loop Bus
 - a. Line-300 MCM, torque to maximum of 275 inch-pounds.
 - b. Load-5/16 stud, torque to maximum of 50 inch-pounds.

I. METERING (OPTIONAL)

1. If specified, the pedestals shall be equipped with fully electronic digital kilowatt-hour meters that display the kilowatts used at each slip on a non-resettable electro mechanical recorder counter that is weather and waterproof. The accuracy of these meters must meet or exceed American National Standards Institute C-12.1 specifications.

J. WATER (OPTIONAL)

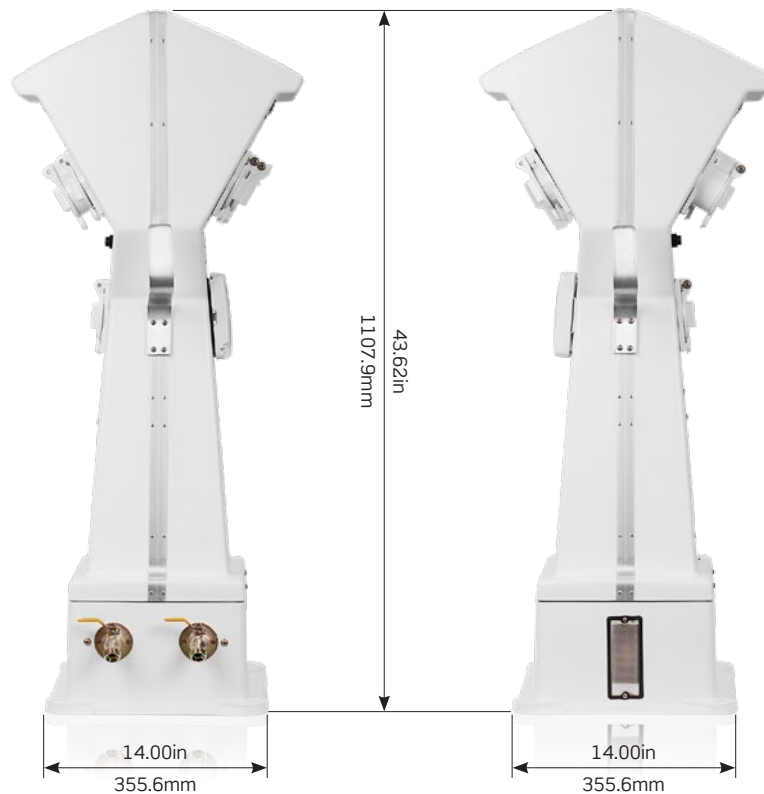
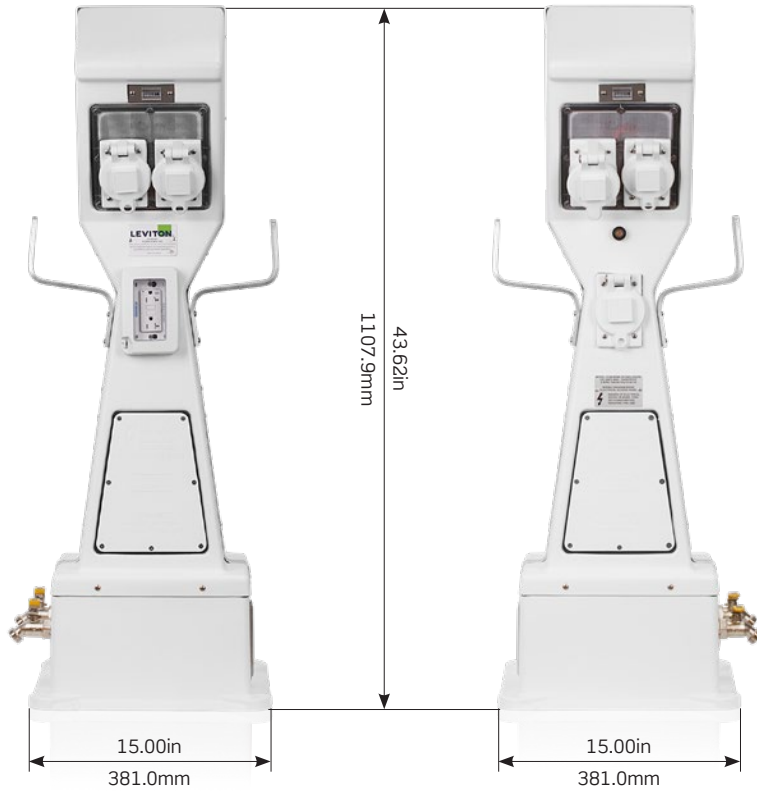
1. If specified, unit shall be capable of providing up to two (2) 1/2" or 3/4" hose bibs with ¼ turn ball valves.
2. If specified, each ball valve shall be fitted with a brass back-flow preventer.

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BASIC DIMENSIONS

DOCKSIDER

REPRESENTATIVE
IMAGE SHOWN



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