Eaton Corp. - Marina Power and Lighting, Inc.
General Specifications for RV Plastic Pedestal

All Power Pedestals Must Meet the Following:

Part I. General:
1.1 General Requirements:
A. Shall be tested and certified to be in compliance with ANSI/UL 231 entitled “power outlets.”
B. If a laboratory other than U.L. is used that laboratory must certify, in writing, that the power outlet has been tested and meets all of the requirements of ANSI/UL 231, including 746C polymeric materials, and that the unit will pass the 94VO-5V flame test.
C. Shall be certified to meet all sections of NFPA 7-551-70 of NEC.
D. Shall meet 406.8 (B)(2)(a) of the national electric code NFPA 70, i.e. “A receptacle installed in a wet location shall be installed in a weatherproof enclosure, the integrity of which is not affected when the attachment plug cap is inserted.”

Part II. Products:
2.1 Acceptable Manufacturers - Power Pedestal / Distribution Equipment:
A. Eaton - Marina Power and Lighting
   149 Warwick Court, Williamsburg, VA 23185
   Toll Free: 1-800-723-8009

2.2 Power Pedestal - General Specification
A. Main Housing:
   a. The housing shall be constructed of 3/16" thick injection molded heavy resin material and shall be coated with a two part UV-resistant polyurethane. It shall be UL listed as a type 3R weatherproof enclosure.
B. **Lighting Assembly / Housing:**
   a. **STANDARD** - Each pedestal shall be equipped with non-metered light. The light shall be a LED bulb, that is controlled by an electromechanical photocell and protected by a in-line fuse, or an optional 1P 20A breaker.

C. **Wiring:**
   a. The power pedestal shall be completely pre-wired at the factory to the load side of the compression lug assembly.
   b. All load copper wiring shall be of high stranding and tin plated to resist corrosion.
   c. The maximum size of the line wiring shall be 350 MCM direct feed, or loop feed.

D. **Loop Feed Buss Bar System:**
   a. **STANDARD** - Single and double barrel mechanical buss bars - rated for copper or aluminum - are also available in sizes ranging from #8 to 350 KCMIL.

E. **Grounding:**
   a. All exposed metallic parts must have an integral ground that is a part of the equipment grounding system.

F. **Receptacles:**
   a. All receptacles shall be mounted behind a lockable weatherproof, hinged door that is under tension to ensure proper closing pressure when the receptacle is or is not in use.
   b. All receptacles shall be mounted at least 24" above the ground datum.
   c. All receptacles under 60 amps shall be of the corrosion resistant type conforming to NEMA TT-30 and/or NEMA 14-50.
   d. 20 Amp, 110 Volt, straight blade receptacles shall be GFI protected.
   e. 30 Amp, 125 Volt, receptacles shall be 2 pole, 3 wire (NEMA TT-30).
   f. 50 Amp, 125/250 Volt, receptacles shall be 3 pole, 4 wire (NEMA 14-50).

H. **Circuit Breakers:**
   a. All breakers for receptacles shall be of the thermal magnetic type, 10,000 A.I.C., and shall be UL listed.
   b. Circuit breakers shall be located under lockable, weatherproof door.
   c. Circuit breakers for the 20 Amp, 110 Volt, straight blade receptacles shall be single pole, 20 Amp rated.
   d. Circuit breakers for the 30 Amp, 125 Volt, straight blade receptacles shall be single pole, 30 Amp rated.
   e. Circuit breakers for the 50 Amp, 125/250 Volt, straight blade receptacles shall be 2 pole, 50 Amp rated.

(CONTINUED IN NEXT PAGE)
I. **Hose/Cable Bracket:**
a. Each pedestal shall have one heavy resin bracket capable of holding a 50' length of 5/8" water hose or 50' of 50 Amp, four-conductor boat S.O. cord.

II. **Metering (Optional):**
a. 120 Amp Meter - The pedestals shall be equipped with fully electronic meters that display the kilowatts used at each spot on a non-resettable digital counter that is protected from the weather. The accuracy of the meters must be certified by the manufacturer to have a 120 ampere rating and no more than a 2% error when tested in accordance with ANSI.-C12.1. (California requires 1%).

III. **Communications (Optional):**
a. Each pedestal shall be equipped with outlets for each slip. Each outlet shall contain a combination of RJ45 (internet) receptacles, RJ11 (telephone) receptacles, or male coax (cable TV) connectors under an injection-molded heavy resin, weather protective cover.
b. Each communication assembly shall include an internal isolation box for the separation of high and low voltage equipment.

IV. **Water:**
a. Each pedestal shall be equipped with one 3/4" ball valves with each having a single 3/4" female NPT fitting.

V. **Power Pedestals for A.D.A. Sites (Designated as Handicap Accessible):**

(END OF SECTION)
Product Features

Dual-Sided Pedestal

Base Diagram

PAD MOUNT

DIRECT BURIAL MOUNT
Product Features
Single-Sided Pedestal

Base Diagram

FRONT
SIDE
PAD MOUNT
DIRECT BURIAL MOUNT