

HyPower Pedestals



The **HyPower Power Pedestals** are so advanced they turn problems into opportunities. Unlike old fashioned power pedestals that are hardwired, the innovative **PowerPort** and **EnergyMate** feature modular panels that simply snap into place. The receptacles, breakers, optional phone and TV outlets are all located in these lockable panels. Need to upgrade a receptacle? Just snap a new panel in place!

The **PowerPort** is the only pedestal on the market with four fully functional, built-in sides for added convenience and flexibility. With the modular design, **PowerPort's** 400-amp capacity, **EnergyMate's** 150-amp capacity, plus hundreds of options, they are the flexible, expandable and durable power pedestals that are certain to keep you a step ahead of your ever-changing needs.

Success guaranteed!

Remodels, expansions, or all new construction... **Power Snap™** technology eliminates all the guesswork in design and planning – making certain your project is a complete success while saving you money. Even if you're already pre-wired, we have the perfect solution.



HyPower has the most versatile system ever with our new **Snap Port™** technology. You can customize power centers for your needs in seconds!

PowerPort Pedestal

Features and Specifications



- Receptacles, breakers, and optional phone and TV connections are securely tucked away in lockable cabinet panels.
 - Available in combinations of 20, 30, 50, and 100 amp corrosion resistant receptacles. Choose from Marine, RV, and International styles.
 - Choose up to two 1/4 turn Ball Valves with standard Backflow Preventers. Hose brackets are standard on every unit.
 - Standard prewired power head can be lifted off to provide feeding by either post or lug connection. Options include factory wired base and **PowerPort's** exclusive **Snap Connect Base**.
 - Choose cap colors of blue, white, or green. Custom colors are also available.
 - The 360-degree lighting module can be controlled remotely or by an onboard electronic photo sensor.
 - Choose 15 watt fluorescent or incandescent lighting, clear or amber lens.
 - Customized logo options allow you to personalize each **PowerPort** with the name of your facility.
 - The durable enclosure is a special coated, non-metallic polycarbonate that is UV protected, UL listed, impact resistant, and flame retardant.
 - With a footprint that is only three-quarters of a square foot, the **PowerPort** is truly efficient.
- All components are UL listed.
 - Meets UL component recognition program requirements for full insurance protection.
 - Meets or exceeds all current applicable codes.
 - Meets NEC, NFPA 303, and NEMA requirements.
 - Patents Pending.
 - **PowerPort** fully complies with ADA standards for accessible design.



PowerPort Pedestal

Hurricane Preparation



Preparing for a hurricane or just closing up for the season, the **PowerPort** is secured in two easy steps. The state-of-the-art **Power Snap™** technology allows you to safely store the major components of the pedestal out of harm's way.

Coming soon: Electronic digital metering with remote contact and low frequency meter reading.



PowerPort Specifications

A. Construction

1. All materials and equipment used in the installation will conform to Underwriter's Laboratories standards and must be designed for intended Marina use. Materials and equipment should be standard products of a manufacturer regularly engaged in the manufacture of such products. Such products shall meet the design standards for the specific application and should have been in satisfactory use for a period of two years in a like application. Exceptions to 'use period' may be authorized by the Engineer where the material satisfactorily meets a general use criteria or adequate laboratory testing has been completed.
2. Pedestal shall be UL listed as a complete assembly.
3. Electrical wiring will consist of insulated stranded copper type THHN/MTW conductors rated for service at 90°C or THHW/MTW VW-1 Boat Cable rated for 105°C. Non-wire conductors will be tin plated copper.
4. Power pedestal shall be molded of GE Lexan polycarbonate and all body parts shall be corrosion, impact and UV resistant capable of withstanding high humidity and caustic environments and shall be vented to allow proper heat dissipation.
5. Color shall be permanent molded in white to resist showing scratches and chips and all external surfaces shall also be painted to further resist the effects of aging.
6. Pedestal Base shall attach to deck or concrete slab with an internal fastening system to eliminate unsightly bolts and to minimize removal by vandals.
7. Pedestal Base shall be constructed so that it may be installed (with utility connections attached) prior to complete installation of the entire pedestal.
8. Pedestal shall be securely and substantially supported by internal structural members independent of any conduit or plumbing connections, to sustain a force in any direction and at any point of 100 pounds without permanent deformation or offset of a pedestal.
9. All external screw fasteners that require removal to gain access for any installation, maintenance or modification must thread into a brass insert, and not rely on threads holding in a plastic part.
10. Installation is to be in accordance with local codes and approved by local electrical inspector.

B. Receptacles & Breakers

1. Receptacles shall be corrosion resistant, grounding type, conforming to NFPA Volume 303 Chapter 3, Section 3.13.
2. Receptacles shall be mounted at approximately 60 degrees down from the horizontal, and a minimum of 24" above the mounting plane.
3. Each receptacle shall be protected by a thermal magnetic circuit breaker that is ambient temperature sensitive.
4. Receptacles and their respective circuit breakers are to be assembled together on a panel that can be removed and inserted into the pedestal with a plug connection mechanism.
5. All receptacles shall be covered by a hinged door that prevents water from dripping on the plug, receptacles and circuit breakers. These doors must latch closed with and without plugs and power cords attached, and must be lockable with a padlock with a 1/5" dia. hasp.

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PowerPort Specifications *(cont'd)*

C. Cable Television / Telephone

1. Pedestals shall be capable of providing single and dual cable television and telephone service through standard marine receptacles.
2. Single and dual services must be separate and be weather protected and lockable with the same requirements as B.5.
3. Television and telephone receptacles must be at least 24" above the mounting plane.
4. Low voltage wiring for television / telephone service must be continuously separated from power wiring by a non-metallic barrier.

D. Lighting

1. Pedestals shall have diffused downward directed lighting using either fluorescent or incandescent lamps. Maximum wattage for fluorescent lamps is 15w and for incandescent lamps is 60w. Each pedestal light circuit must be protected by a suitable fuse located internally to minimize vandalism.
2. Lighting shall be controlled for a group of pedestals from a single externally controlled source.
3. Optionally each pedestal light shall be controlled from an internal photocell protected from the weather.
4. Lighting circuit components must be accessible for maintenance with a tool to open mechanism that is both quick and easy.

E. Wiring

1. Pedestals shall be factory pre-wired of stranded copper wire and shall provide physical isolation between high and low voltage/water systems.
2. Access to line feed and termination areas shall be open and unobstructed. It must be convenient to hold incoming feed lines with both hands to position the ends into the lugs or posts.
3. The factory pre-wire must be adequate to supply the maximum future load according to the specific pedestal specification.

F. Plumbing

1. Pedestals shall be capable of providing up to two (2) $\frac{3}{4}$ " hose bibs with stainless steel $\frac{1}{4}$ turn ball valves.
2. Elevation of hose bibs shall be between 12 and 15" to allow placement of a bucket beneath the bib.
3. Cable/Hose Brackets (2) capable of holding 50' of 50A 125/250V SO cable or 5/8" water hose must be provided.

EnergyMate Pedestal

Features and Specifications



Small in Size, Big in Features!

A simple and economical solution, the compact and durable **EnergyMate** is new in design but long on tradition. It is capable of delivering up to 150 amps of service. And with the ability to add up to two TVs and telephones, along with several metering options, it's very flexible, too.



Snap Port™ Technology

Simply snap out any receptacle/breaker panel and snap in a new one to change the amperage or outlets.



- Available in combinations of 20, 30, and 50 amp corrosion resistant receptacles. Choose from Marine, RV, and International styles.
- Snap-in, snap-out receptacle/breaker panel.
- Corrosion and impact resistant, non-metallic polymeric housing.
- Downward indirect 15 watt lighting controlled by onboard photo sensor or group wired to remote switch.
- Thermal magnetic circuit breakers. GFCI breakers are also available.
- Snap latch on cover accepts standard padlock.
- Choose from a variety of mounting options, including a bracket for mounting to existing structures, a powder-coated aluminum stand, triangular dock locker, and many more.

EnergyMate Specifications

A. Construction

1. All materials and equipment used in the installation will conform to Underwriter's Laboratories standards and must be designed for intended Marina use. Materials and equipment should be standard products of a manufacturer regularly engaged in the manufacture of such products. Such products shall meet the design standards for the specific application and should have been in satisfactory use for a period of two years in a like application. Exceptions to 'use period' may be authorized by the Engineer where the material satisfactorily meets a general use criteria or adequate laboratory testing has been completed.
2. The Power Outlet Box shall be UL listed as a complete assembly.
3. Electrical wiring will consist of insulated stranded copper type THHN/MTW conductors rated for service at 90°C or THHW/MTW VW-1 Boat Cable rated for 105°C. Non-wire conductors will be tin plated copper and/or aluminum Lugs.
4. The Power Outlet Box shall be molded of polycarbonate or polyvinyl chloride polymer and all body parts shall be corrosion, impact and UV resistant capable of withstanding high humidity and caustic environments.
5. Color shall be permanent molded in white to resist showing scratches and chips and all external surfaces shall also be painted to further resist the effects of aging.
6. The Power Outlet Box shall attach to post or railing with an internal fastening system to eliminate unsightly through bolts and to minimize removal by vandals.
7. The Power Outlet Box shall be constructed so that it may be installed (both physical mounting and utility connections) without mechanical disassembly of internal parts.
8. The Power Outlet Box shall have a hinged cover that will support itself in the open position, i.e. with hands off.
9. All external screw fasteners that require removal to gain access for any installation, maintenance or modification must thread into a brass insert, and not rely on threads holding in a plastic part.
10. It shall be possible to change or maintain receptacles and circuit breakers by exchanging snap in panels as opposed to rewiring individual components.
11. Installation is to be in accordance with local codes and approved by local electrical inspector.

B. Receptacles & Breakers

1. Receptacles shall be corrosion resistant, grounding type, conforming to NFPA Volume 303 Chapter 3, Section 3.13.
2. Receptacles shall be mounted at approximately 60 degrees down from the horizontal.
3. Each receptacle shall be protected by a thermal magnetic circuit breaker that is ambient temperature sensitive.
4. Receptacles and their respective circuit breakers are to be assembled together on a panel that can be removed and inserted into the Power Outlet Box with a plug connection mechanism.
5. All receptacles shall be covered by a hinged door that prevents water from dripping on the plug, receptacles and circuit breakers. These doors must latch closed with and without plugs and power cords attached, and must be lockable with a padlock with a 0.200" dia. hasp.

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EnergyMate Specifications *(cont'd)*

C. Cable Television / Telephone

1. The Power Outlet Box shall be capable of providing single cable television and telephone service through standard marine receptacles.
2. Services must be weather protected and lockable with the same requirements as B.4.
3. Low voltage wiring for television / telephone service must be continuously separated from power wiring by a non-metallic barrier.

D. Lighting

1. The Power Outlet Box shall have diffused downward directed lighting using incandescent lamps. Maximum wattage for lamps is 15w. A suitable fuse must protect each Power Outlet Box light circuit.
2. Lighting may be controlled for a group of Power Outlet Boxes from a single externally controlled source.
3. Optionally each Power Outlet Box light shall be controlled from a photocell incorporated in the Box.
4. Lighting circuit components must be accessible for maintenance with a tool to open mechanism that is both quick and easy.

E. Wiring

1. The Power Outlet Box shall be factory pre-wired of stranded copper wire and shall provide physical isolation between high and low voltage systems.
2. Access to line feed and termination areas shall be open and unobstructed. It must be convenient to hold incoming feed lines with both hands to position the ends into the lugs or posts.
3. The factory pre-wire must be adequate to supply the maximum future load according to the specific Power Outlet Box specification.

The DOCKSIDER® from Sea Technology



Compare these features:

- Internal Fluorescent Light
- Photoelectric Light Sensor
- Electronic Kilowatt Hour Meter*
- Weather Proof Cover Plates
- Locking Covers Available
- Mounting Base
- Water Hose Hookup
- Cable and Hose Holders
- Complete Isolation of Water, Power, Phone, and CATV
- Unitized and Factory Pre-Wired
- Polycarbonate Housing
- Corrosion Resistant
- Individual Circuit Breakers
- Loop Feed Connector
- Combinations of 20, 30, 50, and 100 Amp Single and Three-Phase, and 20 Amp GFI Receptacles Available
- Other Options:
 - 300 MCM bus bars, split bus bars, ball valves, water meters, color choices

*Optional electronic KHM offers three outputs: a readout at the pedestal, a readout in the club house, or a computer output that can automatically be billed to the user.

Dockheads

Economical, Rugged Power Centers

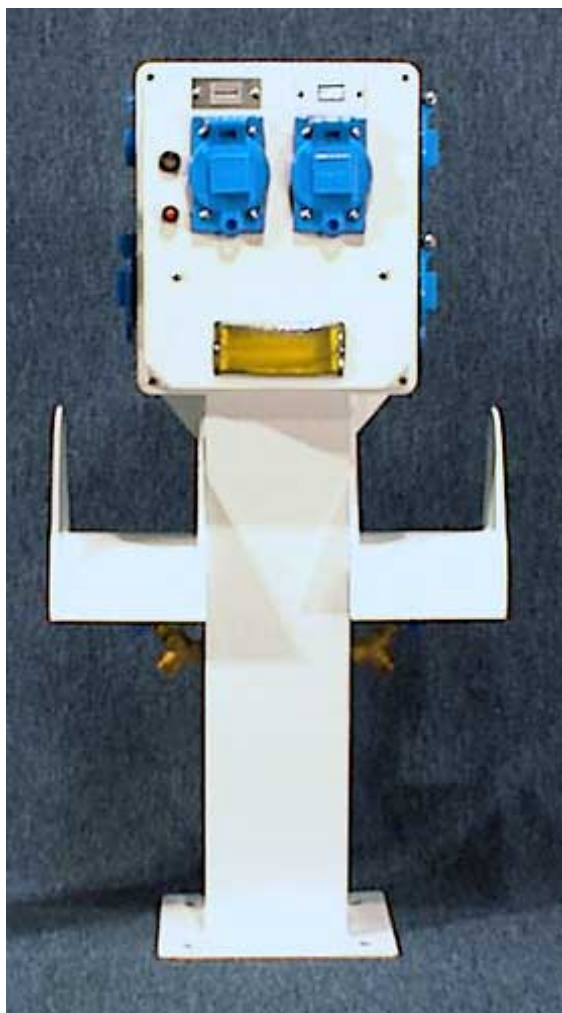
The *Sea Technology Dockheads* come in several sizes, each custom built to suit your dockside needs. These durable power centers incorporate many of the same reliable features of the *Sea Technology Docksider* free-standing power pedestal.

Configure and mount the **Dockhead** power centers to your specifications. A wide variety of mounting stands will allow you to turn your power centers into a unique, functional and attractive pedestal for your facility.

These units are well suited for installations involving finger-piers and narrow walkways.



The *Sea Technology Dockheads* come in four different sizes. This allows the flexibility for numerous configurations that may be unique to a particular situation. From the **Dockhead I** that can have two receptacles and breakers, to the **Dockhead II** that can hold any combination of four receptacles, including 100 Amp Three-Phase. Call for your special requirements or configurations.



Dockhead Specifications

<u>Models</u>	<u>Width</u>	<u>Height</u>	<u>Depth</u>	<u>Approx. Height with Pedestal</u>
Dockhead I	8"	10"	5 1/8"	37"
Dockhead II	10"	12"	6 3/4"	37"

Standard Features

- Maintenance free enclosures are hot compression molded in impact long fiber pre-impregnated glass-reinforced polyester which ensures greater uniform strength. Enclosures are UL Listed to UL Standard 508, suitable for outdoor use in corrosive atmospheres. The fiberglass material is self extinguishing, halogen free with special added ultra-violet stabilizers and meets requirements of UL 746C. Outdoor life rating to exceed 25 years. Dockheads I & II are available in white or gray. Other smaller or larger sizes available in gray only.
- Standard box has screw cover. Stainless steel or non-metallic hinged covers and padlockable latches available. All hardware is stainless steel.
- Patented Lexan weatherproof spring loaded outlet and breaker covers available in marine yellow, blue, gray, almond, dark green, and brown. GFCI fold-down covers available in white, gray, and clear. Covers may be provided with pin for locking device.
- Marine grade twist lock corrosion resistant receptacles in combinations of 30 Amp (110V), 50 Amp (125V or 125/250V), 20 Amp (110V). Ground fault convenience 20 Amp outlets also available. All receptacles meet NEMA requirements L-5 and L-6. Consult factory about 100 Amp IEC service pin and sleeve receptacles.
- Marine grade thermal magnetic circuit breakers accompany all receptacles and are designed to resist nuisance tripping, meeting NFPA 303 requirements.
- Internal fluorescent light (7 Watt) protected by lens, controlled by photo-electric sensor which activates light at dusk and deactivates it at dawn. A 9 Watt Light is also available.
- Electrical rating: **Dockhead II:** 200-250 Amp maximum per unit, 125/250VAC, single phase, 4 wire, 60 Hz. Any combination of receptacles, maximum of 4. Single phase tap (straight) feed, single or three phase loop feed available. **Dockhead I:** 100 Amp maximum per unit, 125/250VAC, single phase, 4 wire, 60 Hz. Any combination of receptacles, maximum of 2. Single phase tap (straight) feed only. Units can be wired for top or bottom feed.
- All models completely unitized and factory prewired for ease of installation.

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Dockhead Specifications *(cont'd)*

Options

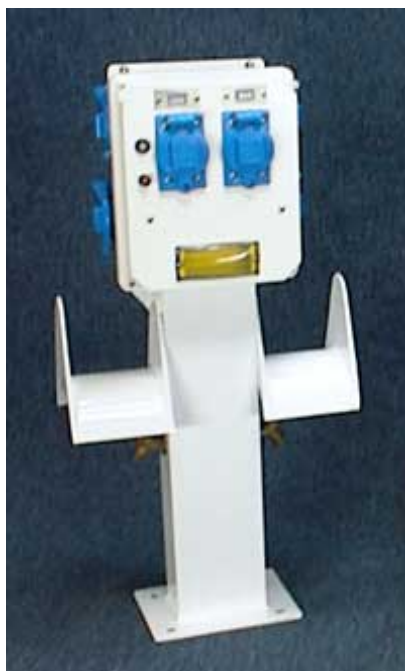
- Cable TV and telephone outlet, in single unit with cover plate.
- Digital electronic kilowatt hour meters with waterproof electromechanical counters, certified to meet or exceed American National Standards Institute C-12.1 and UL specifications.
- Pagoda 3-tier light mounted on top of box in lieu of internal fluorescent lighting.
- Variety of mounting pedestals available in on-dock and off-dock styles, marine aluminum with powder coat finish. Post sizes are 4" x 4" and 4" x 6", standard height is 37". Standard pedestal color is marina blue, with or without hose bibs and hangers. Cast aluminum holders available upon request. Custom sizes available upon request.
- Water outlets: standard 1/2" and 3/4" brass hose bibs attached to post. Apollo 1/4-turn ball valves with stainless steel handles also available.
- Hose and cable brackets installed on post — 90 degree 2" flat bar hanger standard. Cast aluminum holders available upon request.

Aluminum Power Unit Stands



FEATURES

- 6063 Marine grade aluminum.
- TIG-welded construction.
- Stand provides chase for electrical & plumbing.
- Standard 1/2" brass hose/water outlet.
- Optional cast-aluminum hose/cable holder (as shown on right of picture).
- Powder-coating in a variety of colors is available at an additional cost.



These high quality stands are designed and fabricated specifically for use with the Mini and Trimline Power Centers.

Attachment hardware is 316 stainless steel machine screws with lock nuts. For marine applications, the 4 x 6 stand is recommended when running loop feed installations. Custom fabrication/configurations are available upon request.

ORDER CODES

M - Mini
T - Trimline
44 - 4 x 4 post
46 - 4 x 6 post
H - Hose/cable holder
W - Water bibb/outlet
C - Cast aluminum hose holder.
D - Dual/Double

T46DWCH (Shown in picture) - Trimline, 4 x 6 aluminum stand with Dual Cast aluminum Hose Holders