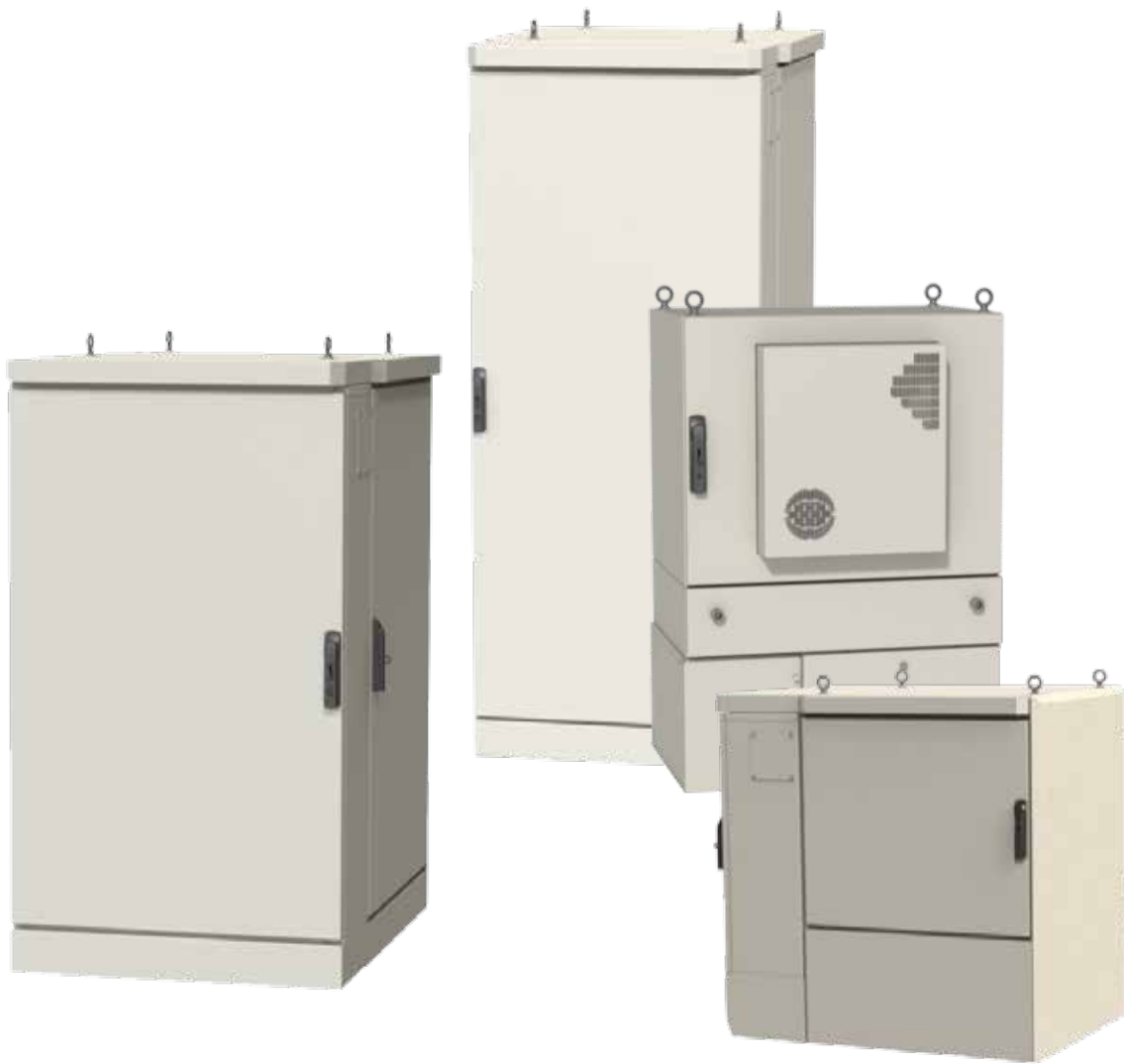


FlexSure® Outdoor Enclosures

Reliable, flexible, thermally managed solutions
for outdoor equipment applications



Visit us at www.enersys.com

EnerSys
Power/Full Solutions

FlexSure® WS Outdoor Enclosure Series

FlexSure® WS outdoor enclosures employ a single wall frame construction. Rather than a traditional five piece welded together box, the FlexSure WS (wrapper-style) product line utilizes a three-piece frame construction instead where the rear and side walls of the enclosure are all formed from a single piece of metal that wraps around and gets attached to a top and bottom pan in order to complete the frame assembly.

FlexSure WS outdoor enclosures are smaller (24" - 25" x 20" footprint) and typically only 2-3 feet tall depending on options. WS enclosures are GR-487 compliant but they offer a simpler single wall construction and are typically used for wireless equipment applications such as 4G/LTE, Base Transceiver Station (BTS) and cell site backhaul. FlexSure WS outdoor enclosures can be pad mounted but are also able to be mounted on a pole, H-frame or even the wall of a building making them easy to install even at the most challenging sites.

FlexSure WS outdoor enclosures can be stacked vertically, allowing for a modular "grow as you go" approach that can reduce or even eliminate the need for site approvals or additional lease space if equipment needs added to the site at a later date; enclosures can be mounted directly on top of existing enclosures at the site. This design capability also fits nicely into the colocation market space where segregated equipment access is required.

FlexSure® 3030 BLS Outdoor Enclosure Series

The FlexSure 3030 outdoor enclosure product line is derived from the equipment bay having a 30" x 30" footprint and is largely aimed at wireline applications such as Digital Subscriber Loop (DSL) installations and FTTx (Fiber) deployments. The FlexSure 3030 outdoor enclosure series is also commonly used in a wide range of microwave, wireless and even military applications due to its robust design.

The modular design of the FlexSure 3030 outdoor enclosure series enables it to be pieced together in an endless number of combinations to arrive at a system level configuration. The FlexSure outdoor enclosure system includes an exhaustive list of pre-engineered off-the-shelf components including equipment bay and rail options, battery compartments, solar panels, thermal systems, AC and DC power options, side chambers, cable entry options, copper protection, cross-connect, fiber management and mounting assemblies.

FlexSure® 3030 BLS outdoor enclosures use pre-engineered interchangeable components that enable the creation of outside plant support solutions for virtually any equipment and power deployment configuration. The enclosure modularity offers expandable architecture that can easily be upgraded in the field without service interruption.



Engineered and manufactured to protect your network, and your bottom line



About EnerSys®

The global leader in stored energy solutions for industrial applications, EnerSys® manufactures and distributes reserve power and motive power batteries, battery chargers, power equipment, battery accessories and outdoor equipment enclosure systems to customers worldwide.

Because hotter equipment means shorter life, more capital expense, compromised reliability and even network downtime, EnerSys offers a complete range of thermally managed equipment enclosures from industry leader, Purcell® Systems. These enclosures cover the needs of a wide range of applications in a variety of industry segments including:

- Telecom
- Cable/MSO
- Utility/Energy
- Transportation
- Government
- Public Safety

About Purcell® Systems

Purcell Systems is a leading global company and has been servicing the telecom market since 2000. The company designs and manufactures innovative, industry-leading, thermally managed, modular outdoor electronic equipment enclosure solutions, and provides system level solutions to a variety of global customers in telecom, cable/MSO, energy/utility, land mobile radio, transportation and U.S. Government/military.



Industry leading technology

Our enclosure team brings a myriad of advantages to the marketplace, including cutting edge mechanical and electrical design capabilities, speed to market via rapid prototyping, system level consultation, equipment packaging considerations, in-house integration/test capabilities and much more.

Through the use of computational thermal analysis and physical testing, EnerSys ensures that our FlexSure® outdoor enclosure systems meet or exceed our customers' expectations, maximizing the life of equipment and ensuring optimum system performance.

FlexSure outdoor enclosures use pre-engineered interchangeable components that enable the creation of outside plant support solutions for virtually any equipment and power deployment configuration. The modularity of FlexSure outdoor enclosures offers expandable architecture that can easily be upgraded in the field without service interruption. Common deployment applications include DSL, broadband loop carrier, digital loop carrier, line power, Wi-Fi, WiMAX and wireless backhaul applications such as 3G, 4G, LTE and Node B.

FlexSure outdoor enclosures are certified/compliant to Telcordia® GR-487, which includes salt fog testing for corrosion resistance, shot gun testing for equipment protection, being subjected to wind driven rain, NEBS™ Zone 4 seismic certification, transportation/vibration testing and much more.

FlexSure outdoor enclosures include additional security and hardware features to deter equipment theft and vandalism. The result is a flagship product family of enclosures that are UL certified for protection against water intrusion and carry UL certification Type 3 or 3R rating for ingress protection.

FlexSure® Outdoor Enclosures

EnerSys® **Flexible EncloSure** (FlexSure®) solution architecture allows the rapid creation and growth of virtually any outdoor cabinet configuration by leveraging pre-engineered, common interchangeable components. The FlexSure outdoor enclosure series is available in 12, 16, 20, 25 and 36 RU equipment bay options.

FlexSure outdoor enclosures are UL 508 Listed, and certified by independent third-party Nationally Recognized Testing Laboratories (NRTLs) to Telcordia® GR-487. A wide range of thermal management system technologies and capacities ensures that the equipment you deploy in the cabinet will operate within its design parameters with the highest reliability and lowest Total Cost of Ownership (TCO). Options include battery backup, AC/DC power termination and distribution, cross connect and line protection, equipment and enclosure mounting features.

Product Features

- Telcordia® GR-487 certified
- Highly flexible and scalable
- Energy efficient advanced thermal solutions
- Field upgradeable
- AC and DC power options
- Pad, pole, wall, H-frame mounting options



Applications

Provides a secure, thermally-controlled environment for any electronic equipment supporting a wide-range of cable/MSO, energy/utility, land mobile radio, transportation, U.S. Government/military, and

FlexSure® WS Outdoor Enclosure Series					
Model	Size (H x W x D)	Features	Options	Thermal Options	Standards
FLX12-2420	23" x 24" x 20"	<ul style="list-style-type: none"> • 12 rack units • 19" rails • 5 year warranty / 1 year thermal system 	<ul style="list-style-type: none"> • Front door; rear door or hatch • Battery box • Side and/or demarcation chamber • AC power distribution • DC power system • Pad, pole, wall or h-frame mount available • Available with rear door or hatch option 	<ul style="list-style-type: none"> • Thermoelectric cooler • Heat exchanger • Air conditioner 	<ul style="list-style-type: none"> • Telcordia® GR-487 Issue 3 certified • UL Listed UL508A • NEMA 3
FLX12-2820	23" x 28" x 20"	<ul style="list-style-type: none"> • 12 rack units • 23" rails • or 14 rack units; 19" rails • 5 year warranty / 1 year thermal system 	<ul style="list-style-type: none"> • Battery box • Side and/or demarcation chamber • AC power distribution • DC power system • Pad, pole, wall or h-frame mount available • Available with rear door or hatch option 	<ul style="list-style-type: none"> • Heat exchanger • Air conditioner 	<ul style="list-style-type: none"> • Telcordia® GR-487 Issue 3 certified
FLX16-2520	30" x 25" x 20"	<ul style="list-style-type: none"> • 16 rack units • 19" rails • 5 year warranty / 1 year thermal system 	<ul style="list-style-type: none"> • Battery box • Side and/or demarcation chamber • AC power distribution • DC power system • Pad, pole, wall or h-frame mount available • Available with rear door or hatch option 	<ul style="list-style-type: none"> • Heat exchanger • Air conditioner 	<ul style="list-style-type: none"> • UL Listed UL508A • UL Listed UL60950-1 • Telcordia® GR-487 Issue 3 certified • NEMA 3



FlexSure® 3030 BLS Outdoor Enclosure Series

Model	Size (H x W x D)	Features	Options	Thermal Options	Standards
FLX12-3030	31" x 30" x 30"	<ul style="list-style-type: none"> • 12 rack units • 19" or 23" dual rails available • 5 year warranty / 1 year thermal system 	<ul style="list-style-type: none"> • Front door, rear door or hatch (based on thermal system options) • Battery pedestal • Side chamber • AC power • DC power • Pad and pole mount available (excludes FLX36-3030) 	<ul style="list-style-type: none"> • Heat exchanger • Air conditioner 	<ul style="list-style-type: none"> • Telcordia® GR-487 Issue 2 certified • UL Listed UL508A • UL Type 3R certified • Seismic Zone 4 Rated
FLX16-3030	38" x 30" x 30"	<ul style="list-style-type: none"> • 16 rack units • 19" or 23" dual rails available • 5 year warranty / 1 year thermal system 			<ul style="list-style-type: none"> • Telcordia® GR-487 Issue 2 certified • UL Listed UL508A • UL Type 3R certified • Seismic Zone 4 Rated
FLX20-3030	45" x 30" x 30"	<ul style="list-style-type: none"> • 20 rack units • 19" or 23" dual rails available • 5 year warranty / 1 year thermal system 			<ul style="list-style-type: none"> • Telcordia® GR-487 Issue 2 certified • UL Listed UL508A • UL Type 3R certified • Seismic Zone 4 Rated
FLX25-3030	54" x 30" x 30"	<ul style="list-style-type: none"> • 25 rack units • 19" or 23" dual rails available • 5 year warranty / 1 year thermal system 			<ul style="list-style-type: none"> • Telcordia® GR-487 Issue 2 certified • UL Listed UL508A • UL Type 3R certified • Seismic Zone 4 Rated
FLX36-3030	74" x 30" x 30"	<ul style="list-style-type: none"> • 36 rack units • 19" or 23" dual rails available • 5 year warranty / 1 year thermal system 			<ul style="list-style-type: none"> • Telcordia® GR-487 Issue 2 certified • UL Listed UL508A • UL Type 3R certified • Designed to seismic Zone 4



www.enersys.com

EnerSys World Headquarters 2366 Bernville Road, Reading, PA 19605, USA Tel: +1-610-208-1991 / +1-800-538-3627

EnerSys EMEA EH Europe GmbH, Baarerstrasse 18, 6300 Zug, Switzerland Tel: +41 44 215 7410

EnerSys Asia 152 Beach Road, Gateway East Building #11-03, Singapore 189721 Tel: +65 6508 1780

© 2017 EnerSys. All rights reserved.

Trademarks and logos are the property of EnerSys and its affiliates except Telcordia and NEBS, which are not the property of EnerSys.

Subject to revisions without prior notice. E.&O.E.

Publication No. US-FS-PG-AA - March 2017