

## flexiCOMPACT Power System

Flexible by Name and by Nature

36kW  
MAX

12V  
OUT

24V  
OUT

48V  
OUT

60V  
OUT

380V  
OUT



GREEN  
ENERGY

We offer a range of reliable, compact, efficient and flexible DC power solutions from small standalone systems for applications like access nodes to medium sized systems for radio base stations.

The flexiCOMPACT range offers configured solutions using Enatel's state-of-the-art high-efficiency switch-mode rectifier modules and intelligent network capable controllers. They include an integral AC and DC distribution with flexible combinations of MCBs and LVD options. These can be configured to meet a wide range of customer requirements for access power solutions.

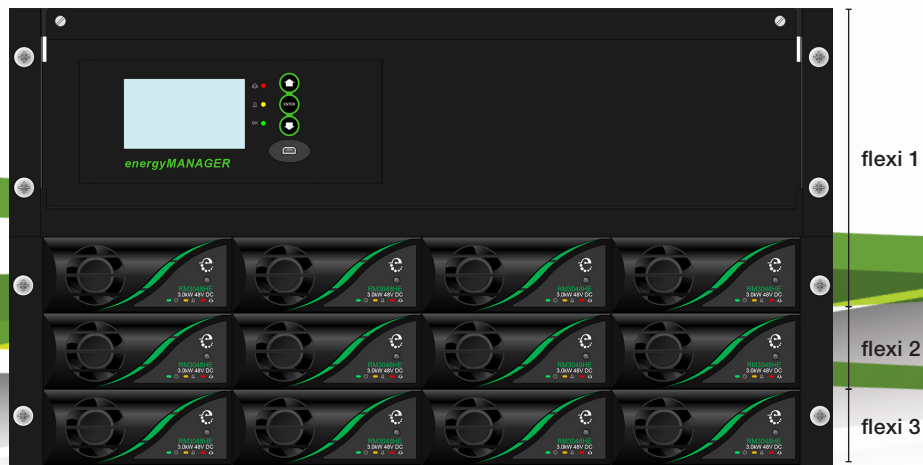
Modules are New Zealand-made to guarantee design, manufacture and process integrity. Our robust, proven conversion topology utilizes only the highest specification components – something rarely offered by others.

### KEY FEATURES

- World-leading power density
- Fully featured telecom-grade rectifiers
- Modular 19" expandable design
- Front access design
- Flexible AC input, DC output and battery interfaces

### TYPICAL APPLICATIONS INCLUDE

- (CPE) Customer premises equipment
- Roadside terminals
- Converged VoIP/data networks
- Wireless, fiber and fixed line communication networks



## Specifications

The flexiCOMPACT series are front-connect advanced power systems with a friction-hinged panel-mounted monitor for ease of install/commission. The flexiCOMPACT is populated with high-efficiency on-line replaceable rectifiers in combination with intelligent energy management software to provide a highly reliable DC power solution delivering significantly reduced operational costs. flexiCOMPACTs are a truly scalable power system with a building block philosophy to support both delivery and final point definition benefits. The modular construction includes a 3U distribution chassis and expandable 1U power-shelves. It is fully busbar-based for increased reliability, performance and quality. The flexiCOMPACT system forms the basis for SYNERGI, a solution which can be tailored for hybrid applications or made solar-ready, allowing renewable inputs to be intuitively optimized.

### ELECTRICAL (See rectifier datasheet)

|            |   |
|------------|---|
| AC Input:  | Single phase, three phase 220V ph-ph and 400V ph-ph + N (refer to rectifier specification for full details) |
| DC Output: | Nominal voltage: 48V DC (contact Enatel for other voltage options)  |

### CONFIGURATION OPTIONS (See CTO Guide for complete configure-to-order information)

The flexiCOMPACT range allows for easy system upgrades either supplied pre-configured to the customer's requirements or as an expansion to meet evolving requirements.

### CTO (CONFIGURED TO ORDER) OPTIONS

- AC input MCB with surge protection device, type 2
- 2 or 4 x DIN style 27mm battery MCBs
- Max of 15 x DIN style 18mm load MCBs (max 12 when fitted with 4 battery breakers)
- Low voltage battery disconnect (LVBD) and low voltage load disconnect (LVLD) options

### ETO (ENGINEERED TO ORDER) OPTIONS

- Customized designs available as required

### MECHANICAL

|                       |  |
|-----------------------|--|
| Dimensions (W, H, D): | flexi 1: 483mm (19"), 177.8mm, 380mm<br>flexi 2: 483mm (19"), 222.2mm, 380mm<br>flexi 3: 483mm (19"), 266.7mm, 380mm |
| Weight:               | flexi 1: 13.0kg, flexi 2: 18.0kg, flexi 3: 23.0kg  |

### COMPLIANCES

|         |                     |
|---------|---------------------|
| Safety: | EN60950             |
| Other:  | CE & RoHS compliant |



System part numbers are dependent on configuration options. For final option part numbers and hybrid design, please consult our sales staff for configuration advice. See Energy Manager and Power Module datasheets for details. Due to product development, specifications are subject to change without prior notice. Pictures may be representative: actual products may differ.

