

FlexiCompact DC Power System



DC POWER SYSTEM
 $\text{AC} \rightarrow \text{DC}$

DC OUT
48V

MAX OUTPUT
24kW

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

Applications

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

Flexible by Name and by Nature

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.

These systems include integral AC and DC distribution, with flexible combinations of MCBs plus front and rear connect AC variants. These can be configured to meet a wide range of customer requirements for 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.



FlexiCompact Specifications



AC CONNECTION		FLEXI 1	FLEXI 2
REAR CONNECT PART NUMBER		FLEXI1-BLK001	FLEXI2-BLK001
FRONT CONNECT PART NUMBER		FLEXI1-BLK002	FLEXI2-BLK002
ELECTRICAL			
AC INPUT		Three phase, 3W+N+PE, 230VAC nominal (refer to rectifier spec)	
TERMINATION		16mm ² 3 core cable (3 phase)	
DC OUTPUT VOLTAGE		48V DC	
MAX OUTPUT CAPACITY		12kW	24kW
POLARITY		Positive Earth	
DC DISTRIBUTION <small>(MCBS NOT FITTED BY DEFAULT)</small>	LOAD:	12 or 18 x MCB (6-63A)	
	BATTERY:	4 x MCB (Max. 125A)	
BREAKER FAIL DETECTION		Electronic	
DC TERMINATION	LOAD:	25mm ² terminal for -ve, ring crimp required for +ve	
	BATTERY:	25mm ² terminal for -ve, ring crimp required for +ve	
LVD		300A magnetically latching battery LVD	500A magnetically latching battery LVD
COMPLIANCES			
SAFETY:		EN IEC 62368-1	
OTHER:		CE & RoHS Compliant	
MECHANICAL			
DIMENSIONS:	WIDTH:	483 mm [19 in]	483 mm [19 in]
	HEIGHT:	180 mm [7.1 in]	224 mm [8.8 in]
	DEPTH:	410 or 436 mm [16.1 or 17.2 in] for front or rear AC connect respectively	
WEIGHT:		14.0 kg [30.9 lb]	17.8 kg [39.20 lb]
CONFIGURATION OPTIONS			
RECTIFIERS:	RM3048HE:	3.0kW modular rectifier, 230V AC input, 48V DC output, 60.0A maximum output	
ENERGY MANAGER:	EM4x:	Advanced controller with phase balancing, peak shaving, lithium battery management, enhanced logic input and reporting	
ARBP-1M:		Metal rectifier blanking panel	

Due to product development, specifications are subject to change without prior notice. Pictures may be representative: actual products may differ.

