



Select
Products



Order
Confirmed



Fast
Dispatch



What is DC Express?

Choose from one of the DC systems, add the rectifiers you require, include any breakers, and we'll do the rest.

For 48V DC systems you can choose from our range of MicroCompact and FlexiCompact systems. Add the required rectifiers plus any breakers, and we'll do the rest.

Once your order is confirmed we will prepare the required product and dispatch in 2 working days* for product parts supply, or 2 - 3 weeks* as a configured system ex-factory*.

Please enquire about custom systems that offer alternative output voltages, as well as other renewable and DC-DC configurations.**

* Available ex-Factory New Zealand, subject to payment being authorised (credit or prepay confirmed), plus Order Acknowledgement confirmed.

** Custom systems are not part of DC Express, and may incur a longer lead-time and are priced on enquiry.



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MicroCompact

➔ DC Express

DC POWER SYSTEM
⚡

DC OUT
48V

MAX OUTPUT
2.58kW

Small and powerful

With a leading combination of power density and reliability, our MicroCompacts maximise customer space for your equipment, with front connection for ease of installation and maintainability.

Enatel's MicroCompact power systems range in power output from 1.72kW to 2.58kW with a maximum output current of 53.7A. They are the ideal solution to meet the requirements of telecommunications applications such as access nodes, DAS requirements and micro/pico base stations. The MicroCompact range was designed with the installer in mind, giving true front-connect for DC outputs and pull-out tray monitor for ease of alarm-cabling installation.

Utilising Enatel's intelligent controllers and modular rectifiers, our standalone 1U MicroCompact DC power systems have been designed to be easily installed in any standard 19" rack or ETSI 515 mm/300 mm deep rack and can be configured to meet the individual requirements of each customer.

Smart electronic design allows the RM848HE rectifiers to measure and report AC input voltage to the system controller without the need for additional hardware.

New Zealand designed with a robust proven conversion topology, utilising only the highest specification components, thereby ensuring unparalleled reliability.



SYSTEM MODELS/PART NO.S		PSX120E1-BLANK	PSX130E1-BLANK
AC INPUT:		Single phase (refer to rectifier spec for full details)	
TERMINATION:		2.5mm ² 3 core cable	
DC OUTPUT RATINGS			
NOMINAL VOLTAGE:		48V	
MAXIMUM OUTPUT POWER:		1.72kW	2.58kW
POLARITY:		Positive earth	
DC DISTRIBUTION:		6x load circuit breakers (6-30A) 2x battery circuit breakers (max 30A)	4x load circuit breakers (6-30A) 2x battery circuit breakers (max 30A)
BREAKER FAIL DETECTION:		Electronic fail detection	
DC TERMINALS (FRONT CONNECTED)	LOAD:	6mm ² push-in spring cage	
	BATTERY:	50A power-pole plug-in connectors	
LVD:		80A magnetically latching battery LVD	

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





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FlexiCompact

DC Express

DC POWER SYSTEM

DC OUT
48V

MAX OUTPUT
24kW

Flexible by name and by nature

This solution delivers at every level: front access that's easy, configurable, powerful and simple; modular, completely scalable to accommodate all those future changing needs to make technology migration painless.

The FlexiCompact series are front-connected, advanced power systems with a panel-mounted controller for ease of installation/commissioning.

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 optimised.



SYSTEM MODELS/PART NO.S		FLEXI1-BLANK	FLEXI2-BLANK
DESCRIPTION		4U 4Slot Flexi	5U 8Slot Flexi
AC INPUT:		Single and three phase (refer to rectifier spec for full details)	
TERMINATION:		16mm ² 3core cable (3 phase)	
DC OUTPUT			
NOMINAL VOLTAGE:		48V	
MAXIMUM OUTPUT POWER:		12kW	24kW
POLARITY:		Positive earth	
DC DISTRIBUTION:		12x load circuit breakers (6-63A) 4x battery circuit breakers (max 125A)	
BREAKER FAIL DETECTION:		Electronic fail detection	
DC TERMINALS (FRONT CONNECTED)	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

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DC Express how to order

Choose System Please select ☒

MicroCompact



- PSX120E1-BLANK
- PSX130E1-BLANK

FlexiCompact



- FLEXI1-BLANK
- FLEXI2-BLANK

Select Rectifier Indicate quantity

RM848HE

RM3048HE

RM2048HE

Select Load MCBs Indicate quantity

MCB-0063KA1P-30 6A 3kA 1 Pole **(A)**

MCB-0103KA1P-30 10A 3kA 1 Pole **(A)**

MCB-0203KA1P-30 20A 3kA 1 Pole **(A)**

MCB-0303KA1P-30 30A 3kA 1 Pole **(A)**

MCB-0106KA1P-20 10A 6kA 1 Pole **(C)**

MCB-0206KA1P-20 20A 6kA 1 Pole **(C)**

MCB-0326KA1P-20 32A 6kA 1 Pole **(C)**

MCB-0406KA1P-20 40A 6kA 1 Pole **(C)**

MCB-0506KA1P-20 50A 6kA 1 Pole **(C)**

MCB-0636KA1P-20 63A 6kA 1 Pole **(C)**

Select Battery MCBs Indicate quantity

MCB-0303KA1P-30 30A 3kA 1 Pole **(A)**

MCB-1256KA1P-20 125A 6kA 1 Pole **(C)**

Configuration to be completed by Enatel prior to shipment? Please select ☒

Note: Assembly and configuration by Enatel has a cost that varies depending on the system type and parts fitted.

- Enatel to assemble and configure systems
- Ship parts only, no assembly needed



Learn more and place order at enatel.net/dcexpress

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(A) Airpax

(C) Chint

