

CertaUPS

C400R 1000VA - 3000VA

Online double conversion

A versatile, high power density UPS solution ideal for IT facilities and the telecoms market.

The C400R series has been designed to deliver maximum user flexibility. Its compact and ergonomic rack mountable and floor standing design makes it an ideal fit for many server cabinets, particularly in 2000VA and 3000VA configurations.

The advanced technology of the rectifier and inverter utilising online double conversion topology provides a pure sinewave output completely isolated from the input mains power.

Further functionality is achieved through hot swappable internal batteries, which are located in a separate enclosure to allow the user to safely change batteries without the need for a power down.

Affordable, functional and reliable, the C400R also features interactive software, which is compatible with a wide range of operating systems.



ECO mode function



USB connectivity & HID support



Pure sinewave output



Intelligent communication slot



High efficiency



Additional battery connection



Online double conversion



Virtualisation compatible



Smartphone app monitoring



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Product Specification

MODELS	C400R-010-B	C400R-010-C	C400R-020-B	C400R-020-C	C400R-030-B	C400R-030-C
Power (VA) max	1000		2000		3000	
Power (W) max	900		1800		2700	
INPUT						
Cold Start	Yes, Default Frequency=50Hz					
Input Voltage Window	120VAC-276VAC					
THDi	<5% with full load					
Input Power Factor	≥0.99 @ 100% full load					
Input Frequency Range	45-55Hz / 54-66Hz					
Generator Set Sizing	1.3 x UPS Rating Power					
OUTPUT						
Power Factor	0.9					
Output Voltage	208*/220/230/240VAC					
Waveform	Pure Sinewave					
Voltage regulation	±1%					
Transient recovery	100ms (IEC 62040-3 non-linear load)					
Voltage distortion	<2% THD, linear load		<5% THD, non-linear load			
Output Frequency	(50/60±0.2)Hz**					
Line Mode to Battery Mode	0ms (Also Inverter Mode to ECO Mode 0ms)					
ECO to Inverter mode	<10ms					
Efficiency in ECO mode	>95%					
Overload Capability	102%~130% : 12 seconds		130%~150% : 1.5 seconds		>150% : 1 second	
BATTERY						
DC Voltage	36VDC		48VDC		72VDC	
Backup time (full load)	>5 minutes	0 minutes	>5 minutes	0 minutes	>5 minutes	0 minutes
Max External Battery Modules	6					
Charging current max	1.5A for "B" models			6A for "C" models		
MECHANICAL						
Dimensions W x D x H (mm)	438 x 436 x 86.5 (2U)				438 x 604 x 86.5 (2U)	
Weight (Kg)	15	12	20	15	29	20
AC Outlets	8 x IEC C13				8 x IEC C13, 1 x IEC C19	

*Derate to 90% with 208V voltage. **Derate to 70% during Frequency Converter Mode.

Full technical specification and product information can be found at www.certaups.com