

# CertaUPS

## C500R 6kVA - 10kVA

### Online double conversion

Main applications include small data centres, server rooms, IT facilities, telecoms and networking.

When positioned in rackmount form, the C500R has a capacity of 6kVA/5.4kW contained within 3U and 10kVA/9kW contained within 5U, which includes internal batteries to provide standard runtime.

Its online double conversion topology completely isolates the output voltage and frequency supplied to the users valuable load from incoming mains power anomalies. In addition, sophisticated ECO functions enable the C500R to achieve an industry leading 97% efficiency.

For a more resilient solution, an additional UPS unit can also be connected in parallel to share the critical load and provide N+1 redundancy.



ECO mode function



USB connectivity & HID support



Pure sinewave output



Intelligent communication slot



High efficiency



Additional battery connection



Parallel connection



Online double conversion



Virtualisation compatible



Smartphone app monitoring



Maintenance bypass switch



# C500R 6kVA - 10kVA

## Product Specification

MODELS	C500R-060-B	C500R-060-C	C500R-100-B	C500R-100-C
Power (kVA) max	6		10	
Power (kW) max	5.4		9	
<b>INPUT</b>				
Input Voltage Window	120VAC-276VAC			
THDi	<5%			
Input Power Factor	≥0.99			
Input Frequency Range	45-55Hz / 54-66Hz			
Generator Set Sizing	1.3 x UPS Rating Power			
<b>OUTPUT</b>				
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±0.1Hz**			
Slew rate	1Hz/s			
Inverter Mode to Battery Mode	0ms			
Efficiency in ECO mode	>96%		>97%	
Overload Capability (normal operation)	130% for 2 minutes; 150% for 30 seconds; >150% for 100 milliseconds			
Overload Capability (battery mode)	130% for 10 seconds; >130% for 1 second			
Crest Ratio	3:1			
Parallel	N + 1 for capacity or redundancy			
<b>BATTERY</b>				
DC Voltage	180VDC		240VDC	
Back-up time (full load)	>2.5 minutes	Depends on the capacity of external batteries	>3.5 minutes	Depends on the capacity of external batteries
Charging current (max)	1.0A	8.0A	1.7A	8.0A
<b>MECHANICAL</b>				
Dimensions W x D x H (mm)	438 x 698 x 129 (3U)		438 x 704 x 215 (5U)	
Weight (Kg)	48	19	83	26
AC Outlets	2 x IEC C13, 1 x IEC C19 + Terminal	2 x IEC C13, 2 x IEC C19 + Terminal	4 x IEC C19 + Terminal	4 x IEC C13, 2 x IEC C19 + Terminal

\*Derate to 90% with 208VAC output voltage. \*\*Derate to 80% during Frequency Converter Mode.

Full technical specification and product information can be found at [www.certaups.com](http://www.certaups.com)