

C500E

10 - 20kVA Online Double Conversion

Suggested applications: Server rooms and small data centre environments

The C500E can be installed with internal batteries as standard. This removes the need for external battery cabinets on standard run times, enabling you to maximise valuable floor space.

Additional flexibility is achieved for the C500E through its sophisticated design. The selectable input between single phase and three phase allows users to retain electrical infrastructure and save costs where applicable.

Key Features












- Wide input voltage window
- Selectable output voltage
- Frequency converter feature
- EPO connection
- Future expansion or redundancy
- Plug n play parallel kits
- Internal manual bypass
- Small footprint
- 3 Phase / 1 Phase input option as standard on C500E

TECHNOLOGY: C500E, 20kVA

APPLICATION: DATACENTRE

OBJECTIVE: MINIMISE RISK OF MAINS FAILURE WITH N+1 REDUNDANCY CONFIGURATION

"A recently opened datacentre in the UK is flourishing due to its reputation as a secure and reliable data hosting service. Its main USP was to provide guaranteed data even within a part of the UK that suffered regular power outages and surges. The CertaUPS C500E which offers parallel redundancy for additional protection has now become one of the key differentiators that the datacentre owners use to reassure new clients that power to the servers is guaranteed."

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|---|-----------------------------------|---|---------------------------|
|  | ECO mode function |  | Parallel connection |
|  | USB connectivity & HID compatible |  | Online double conversion |
|  | Pure sinewave output |  | Virtualisation compatible |
|  | Intelligent communication slot |  | Smartphone app monitoring |
|  | High efficiency |  | Maintenance bypass switch |
|  | Additional battery connection | | |



C500E 10-20kVA

Product Specification

MODELS	C500E-100-B	C500E-200-B
Power (VA) max	10	20
Power (W) max	9	18
INPUT		
Voltage	220/230/240VAC / 380/400/415VAC	
Voltage Tolerance	110-276 / 190-478VAC	
Frequency	50/60Hz	
Frequency Tolerance	±10%	
Phase	Single / Three	
OUTPUT		
Power Factor	0.9	
Waveform	Pure Sinewave	
Voltage	200*/208/220/230/240VAC	
Frequency	50/60Hz ±10%**	
Efficiency	94% Online Mode	
Phase	Single	
BATTERY		
Runtime	7 Minutes	5 Minutes
DC Voltage	288VDC	
Charger Capacity	4A	
MECHANICAL		
Weight	175kg	183kg
Dimensions (WxDxH)	350 x 650 x 890mm	
AC Outlets	Terminal Block	
ENVIRONMENTAL		
Operating Temperature Tolerance	UPS: 0°C - 40°C, Batteries: 20 - 25°C	
Storage Temperature Tolerance	UPS: -10°C - 50°C	
Relative Humidity	0-95% Relative Humidity (Non Condensing)	
Operating Altitude Tolerance	>1000m	
FEATURES		
Communication	USB & RS232 Connectivity	
Optional Comms	SNMP, Relay, Modbus	
Functions	EPO, USB, Expandable Battery Modules, LCD Display, Dual Input	

Full technical specification and product information can be found at www.serverroomenvironments.co.uk



* Image shown is reverse of C500E-200

1. Input / output terminals (hardwired)
2. Input breakers
3. Intelligent port
4. AS400 / USB / RS232
5. Parallel port
6. Maintenance bypass

*Derate to 90% with 200VAC output voltage. **Derate to 60% during Frequency Converter Mode.

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