

CRT+500

Online double conversion, 6kVA - 20kVA

Suitable for industry applications where space is limited, in particular within medical and IT environments

Features snapshot

- Online double conversion topology
- Intelligent monitoring software
- Server shut down in the event of a mains fail
- Wide input voltage window
- High efficiency up to 98%
- Selectable output voltage
- Frequency converter feature
- EPO connection
- Intelligent communications slot
- Plug 'n' play parallel kits
- Future expansion or redundancy
- Internal manual bypass
- Small footprint

Designed using the highest level of protection (Online Double Conversion), the **CRT+500** tower series deliver up to 25% more usable power than other manufacturers thanks to a 0.9 Output Power Factor.

The **CRT+500** comes complete with internal batteries as standard, eliminating the need for external battery cabinets on standard run times, minimising the footprint and therefore maximising floor space for other equipment.

This range is extremely low maintenance and has been designed as a genuine 'easy parallel' UPS solution, where up to four **CRT+500** units can be connected in parallel as and when required. This added flexibility to enable further capacity or redundancy, makes the new **CRT+500** range a true future proof investment.



THE POWER AUTHORITY



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CertaUPS+



MODELS	CRT+500-060-B	CRT+500-060-C	CRT+500-100-B	CRT+500-100-C	CRT+500 EVO-100	CRT+500 EVO-200
Power (VA) max	6000		10000		20000	
Power (W) max	5400		9000		18000	
INPUT						
Input Voltage Window	110VAC-276VAC				110VAC-276VAC/190VAC-478VAC	
THDi	<5%					
Input Power Factor	≥0.99					
Input Frequency Range	45-55Hz / 54-66Hz					
Generator Set Sizing	1.5 x UPS Rating Power				1.8 x UPS Rating Power	
OUTPUT						
Power Factor	0.9					
Output Voltage						
Waveform	Pure Sinewave					
Nominal voltage	208VAC*/220VAC/230VAC/240VAC					
Voltage regulation	±1%					
Transient recovery	100ms (IEC 62040-3 non-linear load)				60ms (IEC 62040-3 non-linear load)	
Voltage distortion	<2% THD, linear load <5% THD, non-linear load					
Output Frequency						
Synchronisation range	45-55Hz / 54-66Hz**					
Slew rate	1Hz/s					
Battery mode	(50/60±0.1)Hz**					
Transfer Time						
Inverter Mode to ECO Mode	0ms					
Full Load Efficiency						
ECO mode	>96%					
Overload Capability (Normal operation)	125% for 2 minutes; 150% for 30 seconds; >150% for 1 second				110% for 5 minutes; 130% for 1 minute; 150% for 10 seconds	
Crest Ratio	3:1					
Parallel	Up to 4 units for capacity or redundancy					
BATTERY						
DC Voltage	240VDC				288VDC	
Back-up time (full load)	>7 minutes	Charger only: 4A	>5 minutes	Charger only: 4A	7 minutes	
Charging current (max)	1.2A	4.0A	1.2A	4.0A	4.0A / 8.0A optional	
Charging time	5h charge to 90% depending on the capacity of external batteries				Internal battery 3h charge to 90%	Internal battery 5h charge to 90%
MECHANICAL						
Dimensions W x D x H (mm)	260 x 550 x 708				350 x 650 x 890	350 x 650 x 890
Weight (Kg)	26	80	30	84	127	188
AC Outlets	Hardwired					

*Derate to 90% with 208VAC output voltage. **Derate to 60% during Frequency Converter Mode.

Full technical specification and product information can be found at www.pcl-ups.com