

CRT+400R

Online double conversion, 1000VA - 3000VA

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



Features snapshot

- Online double conversion topology
- High efficiency up to 95%
- 0.9 output power factor
- Pure sinewave output
- Energy saving mode
- Rackmount or Tower compact 2U convertible design
- Clear, user friendly display
- Expandable runtime with additional battery modules
- Network management for alerts and scheduled shutdown
- Serial, USB, Ethernet, ModBus and Relay connectivity
- Intelligent monitoring software

The **CRT+400R** 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 2kVA and 3kVA configuration.

This unique solution also comes with a large battery charger, which when installed as a rackmount system allows for up to 12 additional battery modules for long runtime applications.

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 **CRT+400R** also features interactive software, which is compatible with a wide range of operating systems.

THE POWER AUTHORITY



MODELS	CRT+400R-010-B	CRT+400R-010-C	CRT+400R-020-B	CRT+400R-020-C	CRT+400R-030-B	CRT+400R-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						
Waveform	Pure Sinewave					
Nominal voltage	208VAC*/220VAC/230VAC/240VAC					
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						
Synchronisation range	45-55Hz / 54-66Hz**					
Battery mode	(50/60±0.2)Hz**					
Transfer Time						
Line Mode to Battery Mode	0ms (Also Inverter Mode to ECO Mode 0ms)					
ECO to Inverter mode	<10ms					
Full Load Efficiency						
ECO mode	>95%					
Overload Capability	102%~130% : 12 seconds		130%~150% : 1.5 seconds		>150% : 1 second	
BATTERY						
DC Voltage	36VDC		48VDC		72VDC	
Back-up time (full load)	>5 minutes					
Max EBM Number	4					
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. *** 0.7 P.F.

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

